

Book

Creatures Bonding; an Evidence to Allah

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Dedication

To the precious Jerusalem (May Allah free it from the captivity),
the first direction for Muslims in prayer to turn to, and the
destination for our beloved prophet, Mohammed, (pbuh). To
the land that I am honored to be born on. This book is
dedicated, with all Strive for proximity to Allah.

2019

Introduction

By Dr. Muhammed Ratib Alnabulsi

Praise be to Allah, Lord of the Worlds, and prayers and peace upon our master Mohammad and upon all his kin and companions; now:

I was honored that my esteemed brother, Dr. Saed ALbarghouthy has asked me to write the introduction for this book:

Creatures Bonding; an Evidence to Allah

When I looked at it, I found that it is very closely related to some kind of knowledge which is the knowledge of creatures. knowledge is of three types; The knowledge of God, which is the core of religion, the knowledge of his orders, which is the core of the goodness in the hereafter, and the knowledge of his creatures, which is the core of the goodness in this life. However, Dr. Saed is tackling here the knowledge of creatures in order to increase the faith in the Creator for His Majesty.

Allah, all of His Holiness, began the first surah in the Holy Quran with the word {Read}. His Highness said: { **Read (Prophet Muhammad) in the Name of your Lord who created, created the human from a (blood) clot. Read! Your Lord is the Most Generous, who taught by the pen, taught the human what he did not know. Indeed, surely the human is very insolent that he sees himself sufficed**}.

Allah has referred to knowledge with its key, which is the act of reading, and in Arabic language, if we delete the object of the verb, the meaning of the verb will be open. As a result, we can read the book of Quran, or we can read our infallible prophet's words, or we can also read the book of universe as it is a silent Quran and the Quran is speaking universe and the prophet (pbuh) is a walking Quran. But, his highness in his book said: **{Read (Prophet Muhammad) in the Name of your Lord who created}**.

The origin of the first reading is that it is a reading of research and faith, which certainly ends in the knowledge of God that exists and is one and whole, creator, educator and marcher. That reading is simple as it comes from the closest thing to human, which is the human him/herself. Allah said: **{Read (Prophet Muhammad) in the Name of your Lord who created, created the human from a (blood) clot}**

Whereas the second reading is a reading of thanks and gratitude. It's based on thanking the giver for the bless of existence, the bless of supply, and the bless of guidance. **{Read (Prophet Muhammad) in the Name of your Lord who created, created the human from a (blood) clot. Read! Your Lord is the Most Generous}**. A reading of thanking and gratitude after the reading of research and faith. God created this universe for human a creation of informing and honor. The creation of informing is that all the things in the heavens and earth speaks of God's existence, monotheism and perfection and refers to his good names and qualities. **{He has subjected to you whatsoever is in the heavens and the earth; all is from Him. Surely, there are signs in this for people who contemplate.}** Talking about the creation of honor, it's in the Ayah: **{We**

have honored the children of Adam and carried them on both land and sea. We have provided them with good things and greatly preferred them above much of Our creation}.

A human's duty towards the creation of informing is to believe, and towards the creation of honor is to be thankful.

The third reading is the reading of the revelation and obedience. To explain more, it is about knowing a part of the truth of the divine, and its absolute perfection, the ancient past, the distant future, the truth of the this life, the truth of the afterlife, the truth of the human being, the secret of its existence, and the purpose of it, the truth of the prophecy, the messages, and the truth of the syllabus and its details, and the lexical terms of the duties and all the details of it. All of this can be taken from the Quran and sunnah. And we can understand that from the Ayah: **{taught the human what he did not know}.**

The fourth reading is only utilitarian reading, and this reading is don't contradict with the three readings, but... When we don't do any reading except it, and use to steal and crush people, then it will be a reading of tyranny and aggression. **{Indeed, surely the human is very insolent that he sees himself sufficed}.**

And this is the tyranny of the science that drives human who reads this utilitarian reading of faith, gratitude and obedience to the power to build his glory far away, on the ruins of others; he builds his wealth over their poverty, his power over their weakness, his pride over their humiliation, his life over their death. For that, used science to be a tyrant and used it for not what is mentioned in the Quran.

In the Holy Quran, Allah gave us Aad people as a frequent example of this human being, who has read a utilitarian reading, oppressed people and forgotten about the beginning and the end of this life and the Supreme Almighty (Allah).

So, there are four readings: reading of faith and research: reading of thanking and gratitude, reading of revelation and obedience, and reading of tyranny and aggression. The first three elevate a human and make him/her happy, but the fourth one drops him\her down and depresses him/her. Reading this book that I present today gives you a bright image of reading the universe a reading of faith that transcends man and elevates him\her in the ways of faith and knowledge.

May Allah benefit people with this book and reward its author; he is the All Hearing and the All Responsive. Praise be to Allah the Lord of the worlds.

Preface

Allah said: {(53) We will show them Our signs in the horizons and within themselves until it becomes clear to them that it is the truth. But is it not sufficient concerning your Lord that He is, over all things, a Witness?}Fussilat Surah\53.

The unity of the universe refers to the monotheism of this great creator. It's the unity of the building of the atom, the living cell, the solar system, the galaxy, etc, in addition to the unit of origin of all the elements and returning them to its simplest version, which is the hydrogen. It's, also, the unit that communicates all the forms of energy, the substance and energy, and creatures with each other. This connection and that unit is characterized by diversity in the form of pairs. That marriage, which regulates all images of creatures from the living and the immortal, testifies to the singularity of the illustrious creator and to the ultimate monism. It also testifies to the pride and ascendancy of this one and only creator. The one who is above all of his creatures in the status of divinity and lordship in which no one can share or dispute his power and he is nothing like him.

The plant is biologically linked to the air and the sun, so that it can continue to perform the life cycle of nature. In order to continue this cycle, germs, animals, and above all, humans, digest sugary substances in

plants to turn them into first energy again, so carbon dioxide comes out to get back in the air, and to get digestive waste back on the ground. Life goes on this way as the holistic view shows that the sun, germs, plants, animals, and earth sources such as, water, and soil are all connected and indispensable stages as a must to complete all that life cycle. If any imbalance happened in one of these stages, the life on earth would end because metabolism is the process of extracting bioenergy from food resources within the body. The source of that food is, usually, plants either directly, or indirectly from the bodies of the animals that has eaten the plants. As Allah said: **{And how many a sign within the heavens and earth do they pass over while they, therefrom, are turning away}**.

Hence, look how the living cell contains different bodies that have specific functions and constantly orbit around the nucleus like the orbiting of the electronics around its nucleus in the atom, or the planets around its sun. Similarly, life seems very diversified, but it follows broad lines of rules and foundations that guide its development. It is only Allah who created it from nothing.

Consequently, the Islamic rites are directly associated to the universe, as prayer is associated to the times of the movement of the sun, as well as, the fasting is associated to the movement of the moon at the beginning and at the end. Also, Zakat is associated to the movement of the sun (the passage of the year). Similarly in pilgrim, where people perform roaming around the Kaaba resembling the rotation of the planets around its suns. Arafat stand is connected to the universe as its time is from dawn to sunset. Standing on Arafat Mountain, also, is a symbol for the earth and mountains which man lives on, and which didn't appear before the water has fallen off them millions of years ago, otherwise,

people would have no life. As a result, it is normal that the universe appears to be the title of total balance. No better proof existed for that than that there is no space in it; if anything disappears in it, something else will take its place such as water, air, or a rigid object. On the other hand, the chemical elements are balanced in equations. Also, negative and positive electrical charges equate or merge until they reach to balanced stability.

Rigid objects are balanced so that they stabilize their movement only by balancing the forces of expulsion and attraction between them, not to mention biological balances such as biometric balance in joints, isomorphism in liquids and electrolytes in cells, as well as the ratios of the salts, acids and bases of elements within organisms, which apply to humans, animals and plants.

This universe is interconnected among its components like the body's organs or a cell in its parts. It is harmonized and integrated in accordance with the directives of a (Maestro) in a great band (Orchestra) that, among it, no violation comes or gets out of the way. Thereby, it produces a melody of eternal existence that is sometimes hidden and visible in other times. But! Shouldn't we understand these rules of interconnection and help the other people to see them? Yes, we should because that shows how great the Great Creator is and shows that in every small and big detail in the universe, Allah is the only reason for its existence and continuity.

Praise be to Allah for the blessing of knowing how great and capable Allah, the one and only, is. Also, studying the different interdependencies makes the idea of the deep connection between the universe, which represents the ultimate balance in a hand and the Islamic rites, which

aims at respecting the universe rules that Allah gave in the other hand, clear. As a result, that great religion helps man to get along the universe to transcends man from a belief in the futility or coincidence of life.

Manifestations of the Universal Interdependence

His Majesty said, "Indeed, in the creation of the heavens and the earth, and the alternation of the night and the day, and the [great] ships which sail through the sea with that which benefits people, and what Allāh has sent down from the heavens of rain, giving life thereby to the earth after its lifelessness and dispersing therein every [kind of] moving creature, and [His] directing of the winds and the clouds controlled between the heaven and earth are signs for a people who use reason." (Al Bakara Surah\ 164)

A lot of verses in the Holy Quran remind people of the significant interrelation between every living creature and rigid object in this universe, and there are so many examples in this context.

Allah is the creator of everything. Of his most wonderful creations, there are the creation of the heavens and earth, darkness and light, the stars and their minions, creating humans from mud, creating all humankind from one lineage, creating some creatures that live at night and some that live in daylight, and creating other things of nations that resemble the nation of humankind in origin and interrelation as the rules of nature are the same in all the times and places.

The unity of the universe is an indication of the monotheism of its creator. We see the dependence of the little one on the large one in everything, starting with the rotation of electrons around atoms, moons around planets, and planets around suns. His Majesty said: **{I did not make them witness to the creation of the heavens and the earth or to the creation of themselves, and I would not have taken the misguiders as assistants}. Al-Kahf Surah.**

We cite the words of the great Sheikh, Dr. Mohamed Ratib Al-Nabulsi, "Thinking of the creation of the heavens and earth is the finest warship of all." Man is the first creature on earth as his Majesty said: **{Indeed, We offered the Trust to the heavens and the earth and the mountains, and they declined to bear it and feared it; but man [undertook to] bear it}. Al-Ahzab Surah\73.** Because he accepted the trust, man was the first creature on earth. Consequently, Allah created this universe for man for two purposes; the first purpose is to make humans know, and the second is to honor them. For instance, water is created to honor human as Allah change it to be sweet and fresh after it was salty and unlikable. Also, who created the rule of evaporation of that water? As a result, everything on earth starting from the atom and ending with the galaxy is created for the purposes of knowing and honoring. These things should be guiders for us to lead us to the Almighty Allah. Therefore, the prophet Mohammed (PBUH) when he saw the crescent he said: (A crescent of goodness and guidance). A crescent of goodness that we benefit from, and a crescent of guidance that it leads us to his Almighty, Allah. For example, your little son is a goodness and a guidance, the food you eat, is a goodness and a guidance, the sun that warms you, is a goodness and a guidance, and anything you look at and benefit from, and it guides you to His Majesty, the Creator is a goodness and guidance.

Notice how the internal structure of human, animal, and plant tissues changes when getting away from the earth's gravity. And how animal and plant behavior is linked to climate variability, heat and water distribution and multiple other factors. In addition, light is a major source for energy, which the living creatures take from the sun as they need this light in a regular intermitted way in order to pursue their physiological interactions and reproductive ability. Also, birds, insects and seeds of some plants are also associated with the movement of wind and water currents. Allah has referred to that in his great book: **{And We have sent the fertilizing winds sent down water from the sky and given you drink from it. And you are not its retainers}. Al-Hijr Surah\22.** And said: **{[It is He] who has made for you the earth as a bed [spread out] and inserted therein for you roadways and sent down from the sky, rain and produced thereby categories of various plants. Eat [therefrom] and pasture your livestock. Indeed in that are signs for those of intelligence} Taha Surah\ 53-54.**

In the same way, the sun generates the energy on earth to create the winds that leads the clouds, then the water falls, and the plants grow, so the human and animal can eat from it. To sum up, everything is connected to what's around it in an infinite and tight sequence. As Allah said: **{Indeed, all things We created with predestination}. Al-Qamar Surah\49.**

The attempts of human thought to explain that hidden thread between the living and the objects have evolved. For example, Dr Abd AlMajeed Al-Najjar says: (The environment is not just living and non-living assets that share with the mere proximity or overlap, it is a much deeper existence; It is an integrated system in which environmental assets interact according to a delicate balance of relationships and a complex

network of links between those assets in circles of systems, where the smaller ones are in the larger ones until they end up in an overall circle which is a comprehensive regime governing the whole environment. That system is considered to be an element of the environment. Also, the ecosystem has multiple manifestations, the most prominent of which may be the two essential aspects of: interdependence and balance.

Depletion of environmental resources in a random or irrational manner has a serious impact on the inherited relationship between living creatures and objects within the peripheral environment near and far. The extinction of life forms continues at an accelerated pace and an imbalance in consumption. As a result, some areas became extravagant in waste production and disposal and others to the contrary.

Earth has been mentioned in the Holy Quraan for (461) times, to illustrate the importance of preserving it. His Majesty said: **{It is He who has made you successors upon the earth. And whoever disbelieves - upon him will be [the consequence of] his disbelief}. Fatir Surah\39.** And he said: **{He brings the living out of the dead and brings the dead out of the living and brings to life the earth after its lifelessness. And thus will you be brought out}. Ar-Rum\ 19.**

Ibn kathir- may he rest in peace- said that Allah has created things and its contrary to demonstrate the perfection of his ability. For instance, getting the seeds out of the plant and the plant out of the seed; getting the egg out of the chicken and the chicken out of the egg; getting the human out of the sperm and the sperm out of the human; getting the believer out of the disbeliever and the disbeliever out of the believer.

Sahib Al-Thilal -may he rest in peace- mentioned that in every moment a living creature gets out of a dead one, and a dead one out of a living one. Also, in every moment, a still bud moves from the hollow of a

seed or a kernel and breaks it off to get out to life. And in every moment, there is a stick or tree that dries up and turns into a wreck, and through the wreck, there's the new static grain which is ready for life and growth.

In addition, there's the gas that is released into the air or that feeds the soil to prepare it for fertilization. And in every moment, life starts in the embryo of a human being or an animal or a bird. The dead bodies that are thrown in the earth, mixes with soil and fills it with gases which is a new material for life and new food, for plants, animals, and man. All of that can happen either in the deep seas, or in the outer space as well. It's an awesome cycle of wonder for those who reflect on it with a conscious sense and a visionary heart, and who see it through the guidance of the holy Quran and its light which is taken from the light of Allah.

Allah says: **{And thus will you be brought out}**. This verse refers to Allah's ability to create the living creatures from the raw materials he created as the universe began to be created by him. These raw materials are all without soul, or life, therefore, when a living creature dies and his soul is got out of his body, it turns back to be these raw materials again that he started with. As a result, Allah is the one who is able to get the living creature out of the dead on, and the dead out of the living; this can be applied to either the first life, or the resurrection in the hereafter. It also can be applied to the middle processes between the two stages such as: birth, growth, reproduction, and death, which are continuous processes that are governed with universal rules, and constant divine laws that will never stop till the day of the hereafter when Allah permits.

Humans didn't realize these norms and laws till the late decades of the twentieth century. Conversely, it was mentioned in the Book of Allah, which descended a thousand and four hundred years ago with such

precision. As a result, all these facts confirm the fact that the Quran cannot be written by a human being, thus, it is the words of the great Creator. It also confirms the prophecy of that last prophet and bears witness to the sincerity of his message. Also, it confirms that the prophet (PBUH) was connected to the revelation and was taught by the great creator of heavens and earth.

One of the most important ways to know Allah is to study the dominant laws of this great universe's parts starting from the atom reaching to the galaxy. That studying and reflection is enough to prove the existence of the creator of that universe, which proves that this creator is the All knowing and the Powerful.

The fact in nature's systems and laws lies in three things:

First: There is a complete correlation between various and different parts in terms of quantity and quality.

Second: There is a meticulous arrangement and coordination between them, making possible cooperation and interaction among them.

Third: There is an aim and a purpose from finding that organized system.

In his introduction, Ibn Khaldun says: (Then look at the world of composition, how it started with minerals, then the plant, then the animal in a form of gradient. The last metal horizon is connected to the horizon of the plant like grass; and the last horizon of the plant, like palm and vineyards, is connected to the animal horizon, like snails and seashells, and they have only the power of touch. The meaning of the contact between these components is that the last horizon is ready, it in a strange way, to see the first horizon after it. The world of animals has expanded, and its species has varied until it ended up with the gradation on the

world of composition till today. In his book, Al Fawz Al Asghar, Ibn Miskweh says: (Talking about the connection of assets we say: that nature's law is over it and if you find that connection and it showed the perfect measures from The One and The Truth in all of them as you find a creature from the end of a species is connected with the beginning of the other species, it becomes like the wire that arranges its beads perfectly. At the end it becomes a whole necklace on which our evidence is based on, with Lord's will.

One of the physical bases in the universe that all the systems tend initially to be chaotic and irregular. For example, if we got the letters of this book and we mixed it randomly, it won't generate meaningful words, and if that randomly happened, it won't generate meaningful sentences, and even if that happened, which is mostly possible, then making a connected poem is impossible. In conclusion, therefore, that the assets are organized in a way that is perceived to be systematic and useful, unless we try to do so with a focused and targeted effort and a plan that is developed in advance. Talking about the plane, it is made by an intelligent mind that's capable of knowing, in a preceded perspective, the characteristics of the substance that it's dealing with, on the one hand, and on the other, what's going to happen to it when it's affected by these characteristics.

This creation is in the form of a microcosm with varying degrees in the living creatures, evolving in its values to reach the human being, who is the smartest creature, but the limitations of human being in his ability and impact make us innately conclude that there is what is much more general than him. It's the creator of everything with perfect measures, and the best creator, the Almighty Allah.

At the end, the laws that regulate the substance are constant, and it vary from one substance and the other in its shape and kind. However, it is ultimately limited in number and regularly repeated in what it was created for. As a result, we can predict in advance the behavior of each material that is rigid or living in all circumstances and changes. At last, the stability of the universe depends on the stability of its laws.

Human is that small world in size, but the big in his paradoxes, strengths, weaknesses, and his effect on what around him and nature as a whole and how it affects him. In addition, he is an indivisible unit in this wide universe as he affects it and gets affected by it, too. Hence, there is a physical and even a spiritual connection between man and nature which he lives in. This connection or coexistence between man and nature with all of its appearances and its different elements has huge effect, or even it was the vast field that the man thought has grown in. This spiritual connection between man and nature led and is leading to create the greatest and the most wonderful human thoughts which have been developed gradually until it reached to what it is now. And about this, Dr Mustafa Mahmud says: (and the difference between a kind and another, or a creature and another is a difference in qualitative and quantitative relationships in equation and formative code, but the ore is the same. In conclusion, that is the secret for the harmony between human, animal, plant, and nature. They are all members of one family from one father. Living creatures and life cycle are connected by the laws of this universe that is around them). Thus, living creatures and life cycle connects with each other by the laws of universe. For example, if Earth's velocity has changed, or the distance between it and the sun has changed, many creatures would die out of the great temperature during the day or the cold during the night. Another example is if the size of the oceans water

has increased, more oxygen and carbon dioxide would be absorbed, and life would be disrupted.

One of the manifestations of substances connection in nature is in its ability for chemical interaction within itself limited with unchanged, constant laws in order to create new substances, or to dismantle them into raw elements. However, what is interesting is that these reactions are influenced by other substances called catalysts in molecules or enzymes in living creatures, whose single goal is to accelerate these interactions, and there's no room here to go deeper into their complex working methods. It turns out that the common elements of the materials on the one hand and the persistence of the laws of interaction on the other, sometimes with the help of other substances, all of which suggest in close proximity or sometimes far away, that the maker is Allah. His Majesty says: **{Do you not see that Allah sends down rain from the sky, and We produce thereby fruits of varying colors? And in the mountains are tracts, white and red of varying shades and [some] extremely black. And among people and moving creatures and grazing livestock are various colors similarly. Only those fear Allah, from among His servants, who have knowledge. Indeed, Allah is Exalted in Might and Forgiving.}** Fatir\ 27-28

From here on, man should think deeply in how The Merciful has created countless creatures with limited number of unchanged laws. For instance, the number of atoms that make up substances is limited to approximately 100. Of these, the creation of innumerable substances, each material composed of finely disciplined molecules, living and species in a single species has many similar traits and some different traits. Look how they are divided into factions, groups and types

depending on the nature and characteristics of their creation. Also, in every science, there are advances that can only be found in rules, controls and foundations that lead to specific results that can be known when all the conditions under which they are subjected are known.

His Majesty says: **{And on the earth are signs for the certain [in faith, (21) And in yourselves. Then will you not see?}AlThariat – 20\21**

The universe with all of its systems, laws, norms, and assets is subject to the law of reason; that its existence is due to a reason that created it and made it exist and the possibility that it can exist without a reason for that is something that would never be recognized by mind and innate. To make it clearer, the effect is the evidence of the influence as the reason is evidence to its cause. A Bedouin has said: (The turd indicates the camel, and the footprint indicates trajectory); that thing cannot be argued. Thus, the connotation of the influence is not limited only to the influencer, but it also indicates the characteristics of that influencer, such as: his mind, his knowledge, and his feelings, or other characteristics in case the influencer was more chaotic far away from organizing, systems, and benefits.

The laws of nature are nothing but this cosmic organized and driven intelligence for everything. If we look around, we find that everything is going on regularly and accurately. For example, there is a system for the growth of the littlest plant, also, there is a system for the planets and the galaxies in the space. All of this is going on according to the natural law and system; that natural law is the driven cosmic intelligence towards everything, and which exists all the time with all the assets. To conclude, we can call this natural law, the divine law which include everything. If

we went deeper in sciences, we would find that a lot of them have discovered a quite number of nature's laws. For example, in physics, there is the united field from which the energy and material come from; In chemistry there is the knowledge of the interaction, mixing and transformation of the material; In mathematics, there's a vicious circle that has all the possibilities and all the equations, and a lot of other discoveries.

The distinction of creatures with their amazing versatility, different characteristics in this great universe, and everything in the universe is interdependent and conditional. In our universe, creatures fall into three categories according to the laws that govern them. The first category is the abstract physical assets of the elements, compounds and mixtures of the universe, in all their invasive, liquid and solid states, both in the Earth and in the objects and galaxies of the sky. The second category is the living assets of plants, animals and microbiota. The third category is the sane asset of human beings, and each of these items has its own orientations, which, while they seem distinct, are interwoven in some ways. For example, living beings are originally material with special design and a distinctive system as well as man. It is material with a system of life and a spirit of Allah's command.

And we see from the reality of the physical existence, the reality of living existence in life, the reality of reason and its provisions in human beings, that every creature, because of its interconnectedness in the unity of the universe with creatures to classify the other, must be followed by the orientation of another creature.

According to the classification of the creatures in the universe into abstract material assets, living and, mobile assets and in the the light of the definition of scourge, the image and meaning of the scourge appear to be visible in the substances in the sky and the land, and in the contrast in the apparent and substantial properties of the substances by the chemical and the physical interactions. For example, substances are tested by the substances, and phenomena are tested by phenomena, so nature's science and what follows it would be a translation for Allah's wisdom in creating nature and setting its laws. To make it clear, plant is a food factory that it takes from rigid assets, animals eat that plant, and plants eat that animal after its degradation. Also, the plants and animals together break down into the soil, and animals eats each other, or they just coexist with each other. The wild environment is tested by the marine environment and vice versa. Every cycle has a clear scourge in the meaning of its life. Through a closer look at nature's cycles, whether of nitrogen, carbon dioxide, water, any plant or any animal, the scourge is the essence of continuity in the universe. For instance, testing the negative by the positive, testing the hot by the cold, testing the static by the mobile, testing the weak by the strong, testing the light by the dark, testing the sanity by the insanity, testing the science with ignorance, and testing life with death, etc. To conclude, scourge is everything that tests man's will for the goodness. In other words, scourge is a test of human orientation to possess its highest qualities in life.

Dr. Zaghloul Al Najjar says: (The universe in which we live is so vast, so neatly constructed with well-organized movement, so disciplined, in each of its things, is based on one system from its tiniest things to its largest units. the fact that this is something that a sane person can't imagine being found by chance or having created himself.)

Dr. Zaghoul Al-Najjar says that the universe in which we live is vast, complex, well-constructed, tight-moving, disciplined in every matter, based on the pace of one of its tiniest objects to its largest units. As the universe like this, a sane person cannot conceive the fact of being found by accident, or of having created itself by itself. In contrast, it must have a great creator who have the ability, the perfection of wisdom, and the inclusion of science. Sir William Rees Astronomer of the Royal British Society says: (All parts of the universe seem to evolve in the same way, as if they were all of common origin). Even contemporary Chaos theory comes up with some sort of internal regularity in Chaos structures in nature. Also, some nature scholars fall on repeated models in tree bark, crystals, etc. For example, the pulse, star, and other geometric forms are repeated at microscopic and normal telescopic levels, referring to a basic unit that regulates all of them, and indicating organized mental links, with assets in the presence of one.

Physical research has led to the Theory of Symmetry (FRACTAL Theory), which can be summarized as regular iterations in the division and branching of physical objects on a fixed scale applicable to biology as well as to objects, in a way that reproduces oneself in a smaller way, so that it continues to be miniaturized according to a two-thirds ($1/3$) fixed scale, even though the division of objects appears to be random. This rule applies to all objects from the finest objects and ends with the distribution of galaxies in space, which means that the branching of objects is repeated in units that are miniature of the original and identical in shape, and only in a scale that is smaller than it is, becoming a replica of the original object. Also, this can be applied to all that God has created in the realm of creation (Nature) around us, where does this mysterious

regularity and repetition come from the atom to the galaxy if the creator is not one and only?

We conclude, therefore, that the materials are complementary when they are produced in a way that is perceived to be regular and useful, only if they are focused and targeted and with a plan developed in advance. We have reached that conclusion by linking the facts to each other. The material, objects, and living creatures can never be produced randomly by chance. In contrast, their arrangement is entirely intended with its results and final form, and the plan is made by an intelligent mind capable of knowing the characteristics of the substance with which it deals, on the one hand, and of previsualizing what it will come to when it is influenced by other substances, on the other hand. The said integration is of varying degrees in the living, so that it evolves in its values to reach the smartest creatures, which is human. But the limitations of that human being's ability and influence on everything around him, make us conclude that there is someone who is so much higher than him, who created everything by careful measure, and he is the best creator; it is His Majesty, Allah. The absurd theory of creation has proved to be a hypothesis of the naivety of its authors and their followers.

On the other hand, materials and objects communicate with each other and affect each other by different means known as energy, which is the instrument by which the objects control themselves and around them through established intra-natural laws, put by its creator. Energy has various forms, such as thermal energy, which depends on the speed of movement of atoms and, through them, it moves from one material to another. Another example is the light energy, that cross space and the organisms feed on it, particularly plants, which feed on sunlight. The

other example is the electrical energy which is controlled by neuronal vesicles to transfer their commands as messages to distant limb. Also, dynamic kinetic energy that transports objects from place to place. And finally, chemical energy that atoms, through which, travels, exchanges their charges, changes their properties, and many other things. Look, when Allah shows in his verses how the causes of life are related and how they are evidence for his existence; Allah drives the clouds, bring the rain in and quench the plant as he said: **{And have you seen the water that you drink? Is it you who brought it down from the clouds, or is it We who bring it down?} Al-Waqiah\68-69.** Dr. Abdul Majid Al-Najjar says: (The environment is such a witness to the divine existence that its existence is always related to his existence in the different conditions in which it is present, whether it's existence, in the transformation that it goes through or the purpose to which it is going). In his book "Natural History of Intelligence," Tom Stopner (1992) expresses that (intelligence is a basic characteristic of all assets in varying degrees from inanimate substances to reach human. It has demonstrated that natural changes are very complex and not random, but they follow a system called: (organized chaos). In the living creatures, protozoa possess this intelligence in harnessing other organisms for their own purposes.

This idea was confirmed by the Russian scientist Elijah Brigogin who won Nobel Prize in Chemistry 1977 when he mentioned the fundamental weakness in the mechanical perception of matter which is represented in the inability to explain the appearance of complex organizations in nature. He concluded, in nature, there is what is called non-matter, which link materials. Scientists knew a great deal about physical laws, but little about the non-material that presents the idea of a conscious total universe, because consciousness is a fundamental phenomenon in existence and it

could be assumed that all assets have some degree of awareness of their own. This explains how the oxygen atom is attracted to only the hydrogen atom to form water, that parasitic worms know their way from the intestine to the blood stream of the animal in which they live, and that the material forms in constant forms no matter how different the time or place. Dr. Najjar says: (The environment has been physically created for humans at the origin of their component composition. By combining these elements, species of environmental components of animals, plants and minerals are generated, so that all respond in one way or another to physical benefits even when they appear to conflict with these benefits. That explains His Majesty's words: **{Do you not see that Allāh has made subject to you whatever is in the heavens and whatever is in the earth and amply bestowed upon you His favors, [both] apparent and unapparent? But of the people is he who disputes about Allāh without knowledge or guidance or an enlightening Book [from Him]}** Loqman\ 20.

Energy interconnection

Scientists have found that hydrogen is the origin of the rest of the elements that resulted from pressure in extreme heat within large stars, which has led to the generation of carbon (the origin of living organisms), iron, silicon, etc. The part of the universe that we are aware of consists mostly of hydrogen gas, which is more than 74% of the material of the foreseeable universe, and hydrogen is a non-living material, which is the lightest, and least complex element, which means the simplest in construction. Hydrogen gas is followed, in propagation volume, by helium gas, which accounts for 24% of the observed cosmic matter, and it is the second known element to us. It is formed inside the Sun by the union of four hydrogen atoms, so the energy gets released, which means that the rest of the more than 100 elements known to us make up less than 2% of the cosmic matter, which is all non-living. This observation led to the correct conclusion that all elements were created by the union of hydrogen atoms in a process known as nuclear fusion. This process takes place within sky stars, which are perceived as cosmic atomic furnaces in which the elements are created gradually from its lightest (Which is hydrogen) through the process of nuclear fusion until the chain of processes reaches the production of the iron element, which is produced only within the giant stars and in their extreme glow stages. When the heart of the star turns to iron, it will have consumed its energy and exploded and its parts will be scattered in the universe, to intervene in the gravitational sphere of several celestial bodies in the shape of meteors and shooting stars at Allah's discretion. Some of the iron atom nuclei on this journey in the sky may be exposed to catch a number of the matter's primary particles, forming elements that are of higher weight, and more

complex than iron construction. His Majesty said: **{And We sent down iron, wherein is great military might and benefits for the people} Al-Hadid\ 25.**

Solid matter, which is the most widespread form of matter, is also defined as the one that maintains its shape unchanged and resists its surroundings because of the strength of the interconnection of its parts and thus its shape is determined. Hence, living organisms can rely on them, and without that property, bones in the body would neither have a structure, houses would have a shape, plants' legs would stand still, nor animals would have built their burrows and nests.

Energy is defined as the ability to function and is either stored or mobile. There are multiple types, such as electrical, kinetic, chemical, and thermal, and these multiple forms mean motion. Light energy, for example, are photons, and electronic energy is electrons, all of which move at very high speeds. Also, a living cell is a store and a chemical energy factory. The energy is in constant motion, and it is constantly changing shape and type, so the electric power can turn into thermal, and the thermal into electric and so on. Plant biota has relied on the conversion of light energy (usually from the Sun) to chemical energy through the green spaces of its leaves, known as photosynthesis. This process is carried out only by absorbing the carbonaceous gas of the air and the water that are surrounding it. Finally, chemical composition products are transformed into food stocks in fruit. Here, the link between the World of Plants and the world of animals that seeks energy in it is highlighted, as it feeds on the fruits or the leaves of the plant to redirect that chemical energy to another chemical energy that is suitable for it then

to an electric or kinetic according to that animal type and its body and environment's nature.

There is no doubt that humans have benefited from the transformation of the energy of the plant, either by eating it or by burning it directly to generate fire. Also by extracting oil from the underground, which is the result of the process of decomposing the green leaves after they burst into the ground. His Majesty referred to that when he said: **{[It is] He who made for you from the green tree, fire, and then from it you ignite}**

We note, for example, that currents in nature are generally subject to many common laws, whether these currents are liquid (e.g. hydro), electrical or gaseous (e.g. aerobic), as well as significant similarities in the laws on the movement of water and air vents and their circulation trends in the north and south of the Earth.

In dams research in civil engineering, the dam project and its drainage systems are resembled to electric battery. The water tank (the dam) represents an electrical battery, and irrigation channels of various sizes resemble the wires fed by the battery. The aqueducts of the dam are represented by the electrical lines of this battery, the water currents are matched by the electrical currents, and so on. On the other hand, animals, plants and others share the components that shaped them such as hydrogen, carbon, oxygen, nitrogen, phosphorus and sulfur, in addition to other elements.

Organic chemistry has shown that organisms with its too many kinds share the carbon component, which unites with other elements in different proportions depending on the type of substance. Carbon union with hydrogen or oxygen or both produces carbohydrates and lipids, nitrogen

addition produces proteins, and these substances are the cells of organisms. While organisms vary in their forms and sizes, they share organizing congenital laws, showing a very diverse life, but following broad lines of rules and foundations governing their evolution. Who made those laws other than God, who created them out of nowhere?

The solar system in which we live comprises a well-built unit of the Sun and nine planets - even now known - swimming in different orbits. Also, the word sky is for everything that's roofed, as the air layer around us is called sky. Moreover, the planets and the moons and the stars that we see are known as the lower heaven. His Majesty said: **{By the heaven containing pathways}**. AL- Thariat\ 7.

These astonishing numbers of what we know from the celestial bodies of the perceived part of the lowermost heaven represent no more than 10% of the total mass of that unperceived part, and they are bound by forces that work to tighten their cohesion and the cohesion of their various celestial bodies through different forms of matter and their forms of energy, otherwise it would have vanished and destroyed as His Majesty said: **{Indeed, Allāh holds the heavens and the earth, lest they cease. And if they should cease, no one could hold them [in place] after Him. Indeed, He is Forbearing [1256] and Forgiving.}** Fatir\41.

Hence the Quranic description of the sky, which is **{By the heaven containing pathways}** which means with a very tight connection that connects all of its components. And that's from its tiniest objects, which are the primary building blocks of matter within the nucleus of the atom to its largest unit, the great galactic clusters, to the whole universe. The parts of the universe are all connected to invisible forces. That is

confirmed in His Majesty's words: **{It is Allāh who erected the heavens without pillars that you [can] see;} Ar-Rad \2.**

The Earth is estimated to be 4600 million years old, while the oldest trace of life on its surface is estimated to be 3800 million years old, that means that the Earth needed at least 80 million years to be prepared for life. And Allah is able to tell the thing: Be, so it will be, but this gradient is meant to make man understand Allah's norms in creation, to better employ it in the repopulation of the Earth, and to do well in the duties of building this earth. Allah said: **{Alif, Lām, Meem, Rā.[622] These are the verses of the Book; and what has been revealed to you from your Lord is the truth, but most of the people do not believe. It is Allāh who erected the heavens without pillars that you [can] see; then He established Himself above the Throne[623] and made subject[624] the sun and the moon, each running [its course] for a specified term. He arranges [each] matter; He details the signs that you may, of the meeting with your Lord, be certain} Ar-Rad\ 1-2.** And said: **{And the heaven We constructed with strength, and indeed, We are [its] expander} Ad-Daryat.** These verses refer to a number of cosmic realities that were not known to anyone of creation at the time when of the Holy Quran came down.

Earth is the third planet in the Solar System, and it orbits around itself in a diagonal axis according to its orbit level around the Sun and it is far away around 93 million miles from it. It's orbiting in elliptical orbit, and it's spawning so that it's larger in diameter in the equator axis than in the polar with the percentage of (3%). For what is mentioned above, the Earth has four regular seasons in its repetition, which control the life of most living entities. Also, in this sequence, chemical composition of the surrounding geosphere, the water cycle between the Earth and the sky, the movement of all winds and clouds, the distribution of the climate, and the rain coming down with God's permission, are regulated. By exchanging temperatures

between night and day, the rocks get broken up make a breeding ground, sedimentary rocks and what in them of natural resources, and other processes and phenomena that without which the Earth could not be viable for life.

Humans are affected by different kinds of energy. Some are sensed like internal electricity in neural tissue, external electricity, as well as solar and space photovoltaics, in addition to, magnetic waves, especially the emitted from the Moon. And it's remarkable that people are connected to some of them by unnoticed waves, as the body is surrounded by an aura that's not visible with the naked eye. The prophet (PBUH) said: **(Souls are soldiers; the ones that fit with each other, become familiar and the ones that don't fit with each other, get to disagree with each other)**. Modern science confirms this in the discovery of the subtle aura that surrounds the body of every living being, explaining how people fit together, or disagree with each other since the first encounter, and for no obvious reason. It is Allah's great sincerity to draw attention to nature and its great crowd of creations and phenomena that foreshadow the ability to create, to appreciate and to the wisdom to not to leave this universe in vain without judgment.

Nature's Balance

To demonstrate the harmony and non-contradiction of all the components of this vast universe in which we live, and to indicate the singularity of Allah, at the beginning of the creation and maintenance of these components to not to destroy each other, Allah Said: **{Allāh has not taken any son, nor has there ever been with Him any deity. [If there had been], then each deity would have taken what it created, and some of them would have [sought to] overcome others. Exalted is Allāh above what they describe [concerning Him]} Al- Mo'menon\ 91**

The amazing balance in the Earth is one of Allah's miracles on earth. If this planet had been less or larger than it is now, it would have been impossible to live on it. Also, The fact that mountains are distributed on the surface of the Earth with precision and conscious wisdom helps to find a delicate balance on the surface so that they do not deviate or disturb. His Majesty said: **{And Allāh has made for you the earth an expanse} Nuh\19**. And said: **{[He] who made for you the earth a bed [spread out]} Al-Baqarah\22**.

It is Allah's great sincerity to draw attention to nature and its great crowd of creations and phenomena that foreshadow the ability to create, to appreciate and to the think in the wisdom that doesn't leave this universe in vain without judgment.

The length of the day and night has a great impact on life on Earth as Allah said: **{Say, "Have you considered:[1118] if Allāh should make for you the night continuous until the Day of Resurrection, what deity other than Allāh could bring you light? Then will you not hear"? Say, "Have you considered: if Allāh should make for you the day continuous until the Day**

of Resurrection, what deity other than Allāh could bring you a night in which you may rest? Then will you not see?"} Al- Qasas\71-72. If the Earth was smaller than it is, the gravity would be weaker, the air would escape and scatter into space, the water would evaporate, and the earth would become as barren as the Moon; there will be no water, no air, and thus impossible life. Also, if the Earth were larger than it was, its gravitational power would increase, the movement on its surface would become more difficult and the weight of each of us would increase more and more, and its body would become a heavy burden that could not be carried. Also, if it had turned itself around at less speed like the Moon, for example, the daytime will be 14 days, and night will be 14 nights, and the atmosphere will fluctuate from two weeks of heat to two weeks of lethal frost, so life would be impossible. Likewise, if the Earth became closer to the Sun like Venus, the heat would have perished us, and if it had moved as far into its orbit as Saturn and Jupiter, the cold would have decimated us.

Moreover, we know that the Earth orbits at an angle of 33 degrees, resulting the seasons and producing the most breeding grounds for agriculture and the areas for habitation on Earth.

If the Earth's crust was thicker, it would absorb oxygen, and we wouldn't find our need of this precious gas to breathe. Also, If the seas were deeper, excess water would absorb more carbon dioxide, so the plant would not find enough of it to live and breathe. Finally, If the atmosphere was less dense, the meteorite and the falling flame would burn us rather than consume the flame and crumble as it penetrates the dense atmosphere as it currently occurs. flame and crumble as it penetrates the dense atmosphere as it currently occurs. As if oxygen were more than it is currently in the atmosphere, things would be more burnable, and simple

fires would turn into massive explosions. On the other hand, if the oxygen ratio is reduced, our activity will be inactive. Also, If the snow had been denser than water, it would not have been on the surface, the deep sea would not have been preserved warm and fit for the life of fish and wildlife. In addition, without the ozone canopy in the space, which prevents the ultraviolet radiation from reaching Earth, only with minimal proportions, this radiation would have killed us. Many Quranic jurisdictions have looked at different geological balance factors. His Majesty said: **{And He has cast into the earth firmly set mountains, lest it shift with you, and [made] rivers and roads, that you may be guided} An- Nahl\ 15.** Allah made mountains as anchors so that Earth would not move, and that is geologically proved in the utility of mountains and their stabilization of the Earth's crust, thereby protecting them from earthquakes, or mitigating them as he said: **{Have We not made the earth a resting place? (7) And the mountains as stakes?} An- Nabaa\ 6-7.** Making the Earth life-oriented is a testament to the existence of divine ability, and that is a thing that man can understand by his naked eye and by the Holy Quran. The deep establishment of the mountains in the Earth is to settle the earth and preserve its balance, possibly because they are equivalent to ocean and mountain ridge ratios, or between Earth's underground contractions and surface contractions. The Almighty Allah also gave the mountains another role, which is to raise the layers of clouds up when they hit their peaks and intensify and come down the rain, and without them, many areas would be swept up, not only that, but the clouds would cover the sky and the sun would be blocked from the ground, and the plants would die and dry, and so on. His Almighty said: **{And We placed therein lofty, firmly set mountains and have given you to drink sweet water}.Al- Mursalat\ 27.** The Holy Verse implicitly connects the high mountains with the formation

of rain, a knowledge that has only recently been discovered in weather science. Notice that water, which is unprecedented in other planets, does not escape into space because of the condensation characteristic of the cold upper atmosphere, otherwise there would be no water drop on Earth as His Majesty said: **{And We made the sky a protected ceiling, but they, from its signs,[884] are turning away} Al- Anbia\ 32.** The Qur'an determines that the sky is a roof preserved from any malfunction by the precise cosmic order and preserved from the denomination as a symbol of the ascendancy from which the verses of God descend. If the Earth's atmosphere was less thick than it is now, the meteorites would have penetrated the Earth's outer casing and fallen on every spot of the Earth and burned it. Thus, we are under the protection of this dense balanced atmosphere, which is penetrated only by cosmic rays to the extent sufficient for the life of plants and humanity. It is also a wise characteristic of this universe that it is fit for human actions when necessary. His Majesty said: **{He has produced you from the earth and settled you in it} Hud\ 61.** That means, by thinking about how to exploit their energies rational exploitation, the elements of the nature of which the physical universe is composed do not know one of the secrets of their reservoirs, their worth and their destiny except God. In other words, by thinking in how to exploit Earth's energies a rational exploitation, as no one knows the secrets of the reservoirs of the elements of the nature of which the physical universe is composed, their worth and their destiny except Allah. Allah said: **{And there is not a thing but that with Us are its depositories, and We do not send it down except according to a known measure} Al- Hajr\ 21.**

The basic water vaults are hydrogen atoms and oxygen. One of the livelihoods of the whole green plant is the nitrogen in the air, the carbon in

the carbon dioxide, the rays sent by the sun, and so many of the minerals in the subsurface and so on, which shows the significance of Allah's coffers, from which human beings know so little. Indeed, if all cosmological sciences are to be revealed to man, then all the inhabitants of the Earth try to record them, and every one of them has every means in full and complete form, they will never be able to record them. That is confirmed when Allah said: **{And if whatever trees upon the earth were pens and the sea [was ink], replenished thereafter by seven [more] seas, the words[1165] of Allāh would not be exhausted. Indeed, Allāh is Exalted in Might and Wise}.** **Loqman\ 27.**

The elements in the Earth's crust are different from those found in the formation of organisms' cells, but all of these elements are chemicals that move from the world of life to the world of mass and vice versa. Each compound or chemical element has its own cycle, and these regular or fixed-law cycles are known as biogeochemical cycles. One of the most important examples is the continuous water cycle between the atmosphere, the Earth's crust and the oceans, which is driven mainly by the energy of the Sun through evaporation and the movement of the wind. Another example is the carbon cycle with air and vegetation and with the help of sunlight, which is performed to manufacture food resources, which are transferred to other organisms until they eventually decompose into stored energy such as petroleum and its derivatives or coal. Carbon is released into the air in the form of carbon dioxide, and it enters into the composition of other materials from organisms or masses, and there are cycles of other elements that are indispensable for the survival of life, such as the cycle of nitrogen, sulfur, phosphorus, etc. And so we note that organisms depend on the reservoir of the Earth's crust, oceans and air, and

from those different elements to draw their formative materials in regular cycles.

We have stated that energy is capable of functioning in storage or mobility, which are multiple types such as electrical, photovoltaic, kinetic, chemical and thermal. Living cells are a reservoir and a chemical energy plant.

Physicists unite theory between both the electromagnetic forces and the strong and weak nuclear forces in the so-called Grand Unity Theory, which is a prelude to a larger theory that unites all the cosmic forces into a single superpower that testifies to Allah the Creator in absolute unity, and a prelude to gravitational force, electromagnetic force and both high and weak nuclear forces directly with the Big Cosmic Explosion process. His Majesty said: **{And have you seen the fire that you ignite? Is it you who produced its tree, or are We the producer?} Al- Waqiaa\ 71-72.**

The sequence of changes in the environment is in linked rings in an order that suggests divine intervention, and we see the transfer of energy from one form to another through matter in nature, and through constant laws that don't change forever. As a result, the fire (Thermal energy) comes from the wood or oil that stores it, and the energy is in constant motion, and it is constantly moving and changing shape and type, so the electric energy can turn into thermal, light energy into electric and so on. In Chinese philosophy, the necessary elements of every living organism are wood, fire, soil, metal and finally water. Since human beings and other organisms are subject to the laws of cosmic nature, the idea of their connection to changes in weather, seasons, night and day fluctuation and the influence of celestial bodies must be accepted. The Spring season, therefore, represents the growth and prosperity of Yang's energy, celebrating its bioenergy and reviving its tissue. The Summer season is where the Sun Force is at its top at

the highest levels of energy. And in the fall, we find a return to the balance between the energy of the sky and the Earth which means between (Yin and Yang). Finally in the winter, all the organisms slow down, and Yang disappear leaving Yin dominant until spring came back to cycle again. Consequently, we note how Chinese philosophy converges with Islamic thought in explaining the interdependence between the living and the mass in that great cosmic vessel. It is no wonder, then, that Islamic worshipping's are associated with the movement of the universe. We do not wonder whether the life cycle of the plant is related to the weather, that the migration of some regular animals is based on constant geographical and temporal rules that travel from generation to generation. The correlation of certain tides and islands in the seas to the impact of the Moon's gravity, as it approaches and distances from the Earth, and the direction of the circulation of hurricanes is linked to the direction of the Earth's gravitational trajectory in its north or south. Thus, many and varied examples suggest hidden threads linking everything with wonderful regularity and unwavering laws owing to one creator; It is His Almighty, Allah.

Parity Law in the Universe

One of the most important manifestations of the interconnectedness of each species, animal or plant, is its creation in the form of pairs so as to ensure that each species is sustainable and balanced, as well as to preserve its survival in the universe from extinction.

It is Allah's will and to create everything in this existence in a clear parity, so He remains all His Majesty alone in absolute monotheism above all His creation. This applies to all creatures, man, animal, plant and even objects. It is known that the male of the object differs from it in some of its qualities but balances it in them so that they have something in common. Explaining the verse: **{And of all things We created two mates [i.e., counterparts]; perhaps you will remember} Ad- Daryate\ 49**, we say that there is a difference between the word "something" and the word

"alive," the verse indicates that there is a conjugation in everything, and it is not meant that everything has a male and a female, and the evidence is that the word "something" is called for the sane and the irrational. Therefore, it is not reasonable to mean that it is for men and women. Allah confirms that in his saying: **{Exalted is He who created all pairs[1268] - from what the earth grows and from themselves and from that which they do not know} Ya- Seen\36**. The word of the spouses is collected, and the mechanism determines the existence of the marriage in three places: From ourselves, from what the Earth springs, from what we don't know.

Sheikh Al Sharawi commented on the former verse: "Parity is common in humans, animals and plants, but the verse added **{which they do not know}** to refer to the mineral such as electrical charges, negative, positive, etc.". In the opinion of Dr. Zaghoul Al - Najjar, he comments on previous verses: (It emphasizes the absolute rule of parity in the creation of every living and immortal thing, in the sense that Allah comes to create everything in a true marriage, and that parity is a general phenomenon in all creatures and at all levels: From the initial building blocks of matter to man and above in the units of the universe, it is a characteristic of harmony of creation, and a utter monotheistic testimony of the Creator). That absolute monism that confirms that the Creator is above all his creation. He described himself as saying: **{There is nothing like unto Him,[1411] and He is the Hearing, the Seeing} Ash-Shura\11**. He also described himself in a clear and frank order to his final of prophet (PBUH) and then to every believer in God to say at all the times: **{Say, "He is Allāh, [who is] One, Allāh, the Eternal Refuge. He neither begets nor is born, Nor is there to Him any equivalent} Al- Ikhlas\ 1-4**. This marriage of creation, speaking of the monotheism of the Creator, is present in the following places:

- 1- Parity in living beings from human to animal and plant.
- 2- Parity in male and female reproductive cells.
- 3- Parity in male eugenics that may carry male or feminine dyes.
- 4- The conjugate in pigments in the core of the living cell.
- 5- Parity in inheritance carriers (hereditary or genetic) found on each pigment within the core of each cell.
- 6- Parity is the basis of DNA.
- 7- The conjugate in the correlation of the four building nitrogenic bases of the DNA lineage.
- 8- Marital association of the ribose sugar molecule (an organic molecule) with the phosphate molecule (an inorganic molecule) to form the DNA molecule wall.
- 9- Parity in amino acid construction in right and left images.
- 10-Parity in the construction of proteins and their antibodies.
- 11-Conjugation in the molecule that makes up any material with the positive and negative parts.
- 12-Parity in atom with its nucleus carrying positive charge and electrons carrying negative charge.
- 13- Parity in the material's elementary particles and antibodies, that is, in existence and nothingness.
- 14-Parity in the primary building blocks of the substance and its antigen.
- 15-Matrimony in Material and Contrary Material, in Existence and Nothingness.
- 16-Parity in positive and negative energy charges.
- 17- Parity in both matter and energy, which are two sides of one coin and one core indicate the monotheism of the Great Creator.

In this context, the mediator of the universe can continue indefinitely to emphasize the reality of marriage in every matter of the universe, and to bear witness to the fact that absolute monotheism is for Allah the Creator

alone, not shared by a partner and not disputed by a contestant as he is One, Allah, the Eternal Refuge. He neither begets nor is born, nor is there to Him any equivalent as his Majesty said: **{And from all of the fruits He made therein two mates}** Ar- Rad\ 3. The plant is pairs just as the animal, some are masculine and some are feminine, and the chromosomes within the nucleus of each living cell are pairs, and even in the body, the atom contains both negative and positive bodies. We also add examples of parity in nature, such as impulses and anti-attractions in physics, acid and alkali in chemistry, and the law of action and reaction in motion science. (Mechanics), electrical and ionic equilibrium in solutions, and in thunder and rain that result from negative clouds coming together with positive, and so everything has a pair that makes nature a balanced equation, with which things are fixed in both living and in mass.

Parity is the clearest in living organisms that reproduce by sexual intermarriage. In high-end organisms, both males and females are separated, but in some simple organisms, there may be both male and female cells in one individual whose male cells are traded to another. In sexual reproduction, fertilization may take place inside or outside the body, and in simpler organisms it may reproduce by fission, spawning, fragmentation, regeneration or virginity (without fertilization). All of this is known as asexual reproduction, and the same organism may exchange both kinds of reproduction in its life cycle.

However, some scholars comment that the marital hypothesis is wrong for the following reasons:

A - There are no male and female lizard species in some species. They reproduce in a non-sexual way.

b - Single-cell organisms (bacteria and yeast) reproduce by division. She has no male and no female.

C. The European allodia is of a single species, with no male and no female. It breeds in the manner of plant propagation. But these questions were answered by Dr. Mahmoud El Benhaowi's zoology book, which comments on the proliferation of bramisium: (Bramisium breeds in all the asexual (bipedal) and sexual (in combination or self - mating) ways, and for earthworm, it says: (The earthworm breeds sexually almost throughout the year, and although it contains a spindle, the pollination is always mixed. The worms emerge from their burrows during the night to mate, and this process involves the exchange of sperm between two worms, which are then separated from each other.) It has been shown that bacteria also reproduce a conjugate between two different cells, between which there is a mating cone, and the fungus is sexually proliferating, with the negative, the positive and the viruses within which the DNA is formed. Marriage is evident in flowering plants, which number more than one fourth of a million species, and flowers that result from the opening of their buds with male and female cell breeding organs, which may be found in a single flower or in two different flowers in a single plant. It can be only male or female, and fertilization in flowering plants leads to seed production. Each seed contains the living embryo in a dormant state as well as a stock of food inside the fruit. Consequently, the Creator's creative destiny is apparent when the plant embryo awakens the moment of infestation so that the bud can come out into the air, and then carry the leaves that are its food production plants. Non-flowering plants reproduce in sexual and asexual ways in a generational exchange. In the first way, the plant produces both male and female cells, separating the male cells to reach a female cell from another plant and pollinating and fertilizing them with them. In the second way,

the plant produces reproductive cells known as spores, which disperse from the plant bearing them as they mature to grow in the right circles in the form of new plants.

From our knowledge of marriage in both the building blocks and the primary particles of matter, we can conclude that an image of marriage takes place in all forms of asexual reproduction. In the animal and human world, marriage is evident in male and female reproductive cells, and in their union it is a mixed euphemism that begins to divide steadily, with God's permission, to form the entire fetus, and it may carry two similar or different pigments.

A man, for example, carries two chromosomes, one of which is a female "X" and the other a male "Y", while a female sperm bears two female chromosomes (XX) known as a double coating consists of two threads connected to each other by an accurate accidental part known as the central texture. These two vessels are dependent precision in size and delicacy, which sets the type of life, and thus accumulate genetics in the cell. In a cell of humans, the number of these chromosomes is limited to forty-six chromosomes in twenty-three pairs, and the chromosomes consist mainly of nucleic acid, which is also found in the pairs, and the pairs of the chromosomes are clear. Thus, the chromosomes are double-stranded. Between these two walls, and at specific distances from them, there are pairs of nitrogenous bases (It is clear too.)

Parity continues to be clear in both parts of the material; Positive and negative, and in the elementary building blocks of matter and its opposites. It has been proven that matter has nearly two-third types of primary building blocks, and each type has its own opposite. Where they

abandon their physical nature and turn into energy, and the energy itself is positive and negative (as is the case in electricity), normal and inverted (as is the case in magnetism) and particle and waves (as in the light.)

By transforming matter into an energy that annihilates matter, it confirms the reality of creation from nothingness, and the opposite of that by annihilation into nothing.

This parity has evidence that confirms the oneness of the Creator, may He be glorified and exalted, (without a partner, nor a likeness). The acquired sciences confirm that oneness with which all the messages of heaven were revealed and perfected in the Noble Qur'an and in the sunnah of prophet Mohammed peace and blessings be upon him.

The Unit of Structure in Living Organisms

The forms of bacterial, plant or animal organisms are diverse accordingly, but they are mainly involved in the single composition unit. The cell is being similar from the anatomical and functional angles, and in the use of vital chemical interactions in most of the time to continue their functions. The difference Between plant or animal cells is the increase in the thickness of the wall of the first leaf of the second. Organic chemistry has shown that living organisms of many kinds are involved in being composed of carbon component in which other elements are different according to the type of each matter and transferring its genetic characteristics to subsequent generations. The living cell contains various bodies with specific function, which revolve around the nucleus constantly, resembling the spin of the electron.

Scientists have divided plants, and animals into different factions based on the similarity of the members of each faction in the form of their cells, tissues and internal systems; they are single-cell, and multi-cell. The human being goes in the head of the list as he varies from other living beings by having a mind. Thus, living organisms vary in their shapes and sizes, but they are linked by similar creation laws. So, life appears very diverse, but it walks in broad lines of rules. Accordingly, who created these rules except the Creator. Allah. The cell is an anatomical or functional unit for each organism, whether being an animal or a human or a plant. The cell is characterized by a surrounding wall that controls from the cell and enters into accurate slots, and in a complex selective method that suits every cell or plant or animal cell, but all of them are involved in following the same physical or chemical laws. They are being similar in having a nucleus that controls its representative interaction, its division and the transfer of its genetic characteristics to subsequent generations.

The Unit of Function in the Cell

Each cell consists of liquid and solid materials obtained from nature and is governed by electric ionization and osmotic pressure laws in the exit and entry of materials from the cell.

The cell is organized in a central system. It is the center of the organization of its work in chemical, physical and divisive terms. All of the above shows some similarity to the basis of atomic matter, consisting of a nucleus around which ionized electrons are rotated, which, if divided, generate an enormous energy called an atomic explosion.

The functioning of each cell is governed by innate laws that God Almighty has placed in it. It contains a digestive system that extracts energy from the surrounding food.

It has a defensive system to control strange objects that try to enter. It also contains from a reproductive system that makes them know when and how to divide.

What is more astonishing is that every cell in plant or animal is acting as if they are completely learned the function created, and with full coordination with the surrounding cellular group, and similarity is being great between those laws and basic laws governing the atom, as well as, the laws of the universe In the planets, suns and stars.

All aforementioned is being governed by central and comprehensive order across fungal tools and different means but are similar in its content. Starting with atoms molecules and ending with the huge space objects, they all communicate through photovoltaic and electrical organs or physical violations.

The evolution and diversification of a living cell, whether plant or animal, and its combination in the form of distinct tissues and then in the organs of specialized functions. In addition to comparing, it with the material world surrounding it, this only leads to the idea that the universe system is one in its foundation and gradual in its complexity. Therefore, it is necessary. We must not look at the reality of our surroundings superficially, but rather with a profound comprehensiveness that makes vision unencumbered by sight. Living organisms are divided into two large groups, the first is called (Self-nutrition) it get its nutritional food

materials, to make their organic materials, such as water, carbon dioxide and soil elements, such as plants in general. The second group called (dependent on organic substances), such as animals generally and some fungal plants that do not contain chlorophyll. Thus, the first group depends on the environment and the second group depends on the first in the basic nutrition process and vice versa. The development of the digestive system in the living organism is directly related to the quality of the food he needs, the complexity of that food, the diversity and size of the organs of its digestive system increased to be able to extract primary nutrients from it. The digestive system of a worm depends on one type of food. Thus, the first group, which is autotrophic, extracts carbon dioxide from surrounding materials under the influence of sunlight, water, and mineral elements in the soil to manufacture and store its food, so it releases hydrogen gas.

At night, it extracts oxygen and digests some parts of that food to extract energy from it, and then releases carbon dioxide. On the other side, the second group (heterotrophs) depends for its breathing on the oxygen produced by the first group as well as on the food that it has stored in the past, which is then effectively is excreted for its energy. In the breathing process, it increases its competent devices according to the amount of necessary gas. The respiratory system inside each, varies according to its need and based on the available quantities of the required gas. As for humans, God has created a complex system capable of providing huge amounts of oxygen and expelling gases resulting from the food metabolism process. Thus, we deduce the extent of the depth of interdependence between the composition of the organism and its

activity on one hand, and the type of environment surrounding it on the other.

The connection between living Objects and inanimate objects

The health and life of a living organism will be affected if the balance of its composition and content of the substance from which it may be composed, and it is not by chance that the human body is composed of the same mineral components of the soil.

Human thinking has evolved into the explanation of the hidden thread between living objects and animate objects. The Chinese philosophy may be one of the most comprehensive, since the years it believed that living organisms on the path of energy is divided into two types: yin and yang (The same in the inanimate objects in the universe. The first is the idea of cold and femininity, while the other resembles warmth and masculinity.

Thus, the human body, animal and plant are not alive except by the continuous movement of energy. The soul (in its predetermined paths, with regular repetition, and from this concept the so-called acupuncture treatment with Chinese needles was invented) This was invented to influence those paths; Chinese philosophy interprets disease as resulting from an imbalance between both energies of Yin and Yang. Life is represented by that spiritual energy that permeates all living things, being born with them and ending with their death. The almighty said: **“And He has subjected to you whatever is in the heavens and whatever is on the earth - all from Him. Indeed, in that are signs for a people who give thought” (El-Jathia-13)**

It is noted that there is a response between a large number and vulnerability of regular environmental phenomena and the need for each living object to facilitating life. For example

The earth receives from the sun an amount of heat that provides it with sufficient warmth for the emergence of life and to satisfy the need of the organism from the precisely calculated heat. It has been scientifically noted that the distance separating the earth from the sun is fully consistent with the amount of heat required for life on this earth. We also note that the earth's crust and oceans are held in the form of compounds, the dominant part of them is oxygen. Even that it is eight percent of all water in the world, and despite the intensity of the composite reaction in integration with other elements, a limited percentage of which has been contributing to air formation, and this percentage fulfills a necessary condition of life; Because living beings of humans, animals and plants need oxygen to breathe. Even if oxygen is estimated to be only part of compositions, it would be impossible for life to exist. Only 21% of oxygen can be found in air and once it contained greater proportion, the

environment would have been exposed to comprehensive fires on an ongoing basis, and if it included a smaller proportion, life would have become difficult. We also note that there is a natural phenomenon that is constantly repeated over time and leads to maintaining a certain number of composites. It is generally human and animals when the air breathing and stems are inhaled by blood and distributes it throughout the body. This infiltrates into the lungs and is then exhaled by a person or animal, and thus this gas is constantly produced, and that gas itself is a necessary condition for the life of every plant. Air has a limited portion on earth may not exceed that part of one million from earth. on the other hand, the moon has a specific distance, and this distance is fully consistent with the facilitation of the practical life of humanity on the ground, even if it is a relatively short distance to doubling the seas and creating power that moves the mountains from its places and talking about those natural phenomena. Of a bright color or a fragrance in a manner that attract insects to the flower to ease the pollination process, in contrast, flowers whose pollen is carried by air, and which do not need insects to transport pollen grains, are not usually distinguished by the elements of temptation such as attractive color and smell. On the other hand, the phenomenon of parity in general and the complete congruence between the physiological structure of the male and the physiological structure of the female in humans, animals and plants in a manner that ensures the interaction and the continuity of life.

The connection between living beings and water

The connection between the liquid substance known as water and every living creature is a matter.

The interrelationship between water and the process of germination and the emergence of life on earth, as water consists of seventy percent of the mass of the human body, and the word “water” has been repeated 70 times in the Holy Qur’an.

It is self-evident that water is viewed from a holy point of view in all religions, as it ranks high in Islamic religious practices because it is the basis for every living thing. There is no mosque without a source of clean water used by Muslims for ablution before praying five times a day. A research conducted by a scholar in Japan mentions that it is proved that the arrangement of scattered water molecules are clearly organized after reading Quranic verses on them, and this is a fantastic reaction Water is affected by Quranic sound waves only. In Christian religion, water finds an important element in its residence of the baptism as an alternative. And the prayers of the Eucharist for Christians as a symbol of purification from sins, while in the Jewish religion, water is sacred in great reverence, and this is clearly evident in its religious rituals and also in Jewish also tend to use water in cleaning and self-cleaning rituals and sometimes cleaning the soul from sins. The Jews also wash their hands before each meal by flipping the water between the left and right hands.

There is no doubt that the water balance in the environment has a great impact on living things, as the following verses clearly show, when the Almighty said: **{He released the two seas, meeting [side by side];Between them is a barrier [so] neither of them transgresses.}**
(Al-Rahman 19-20)

A barrier of medium salinity water that separates between the water of the river and the water of the sea, and what they contain of all living

creatures that only live in this environment. All of these are signs of an unbalanced environment. Because of the salt in ocean water and seas, its water never freezes, no matter how temperatures fall, and water creatures swim freely to warmer areas so that these aquatic creatures are a natural source of human beings and other living beings. This is because they have maintained a winter life because The temperature of the water under its frozen surface remains higher than it is above it, no matter how cold the air. Is wind and ocean currents

{It is Allah who sends the winds, and they stir the clouds and spread them in the sky however He wills, and He makes them fragments so you see the rain emerge from within them. And when He causes it to fall upon whom He wills of His servants, immediately they rejoice}

Al-Room-48

The transmission of plant pollen by wind, as well as water plankton with water currents is indispensable, this life is seeded on the ground, and the movement of the air

Continuous in the form of winds of different speeds and the movement of water bodies in the form of torrential currents of varying strength are caused by several factors. The most important of which is the difference in temperature and pressure between regions.

The sea currents are divided in terms of type into two parts: warm and cold, and they are just like the main air currents prevailing on the surface of the earth noting the difference in density between the air (gases), and water (liquid). ocean and water currents. vary in terms of causes into sections, some of which are caused by the appearance of tides, and they are tidal currents.

The only reason behind these currents is the rotation of the moon around the earth, and the impact of its attractiveness on water bodies of seas and oceans, causing the tidal waves, controlling these water bodies is because of the second part of marine currents, which result from the warming, wind and pressure. Some wind produces Water currents that is considered the strongest and the most closely related currents to the climate. As a result, they are completely related to the values of atmospheric pressure and its variation, and accordingly the pressure is a cause of air currents and ocean currents.

The surface air currents push sea currents that help in the process of advancing between the currents, thus changing the degrees of atmospheric heating, and have an overall effect on the climate.

It leads to moderate atmosphere due to the resulting flow of moisture, and may cause seasonal rains for the presence of other factors such as heights and vice versa in the event of the arrival of cold sea currents, and here we conclude that what happens in the atmosphere is caused by what is happening in the seas, and the creator's examination of this universe to this universe with great wisdom only indicates its uniqueness in robotics and deity and the perfection of names and qualities. He has made most of the livelihood in the sea and made the seas an essential element in the existence of life on land, as it is the source of clouds and water vapor, and there is no life on earth without water, even if not the sea currents and salinity of the rot of the sea, so that the earth becomes unfit for life, but God destined those currents to gain the sea the property of flow without having the negativity of the flow of floods and rivers that cause disasters despite the small size compared to the seas and oceans and no doubt richer The world's abundant climates in living organisms and fish are the areas of meeting cold and warm currents, making them a huge

economic source of medicine, food, transportation, and countless other benefits.

"He who mocked the sea to eat him for a federal meat and extracts from him ornaments, and see the astronomy, and I see astronomy in it and to cook from his bounty and you thank you"

Interconnections between objects

Images of primitives, avant-gardes, fungi, plants, animals and humans live on the Earth today and in its waters and under its white..... Each is divided into a number of tribes, factions, ranks, races and species. Thus we saw how the environment, nutrition and breathing in organisms of various forms and depend on each other to continue life on the one hand balance the environment on the other, and scientists have found that the orientation of some plants such as sunflowers towards light is a chemical reaction that leads to the movement of the leg by a mechanism created by God in it, and ultimately leads to the movement of follow-up of the sun

throughout the day. Many insects and birds are confused by the sun as well, the bee, for example, determines how they go and return to their cell by monitoring their location for their rays, as well as the magnified keor determines its directions in space depended on it, and the clearest examples are the adoption of birds with wide wings (such as eagle and falcon) to take advantage of the rising air currents to rotate with them and stay flying in the air for hours many without much effort. Biologists have found that organisms depend on the reflex. Allah created it and the instinct to interact with its environment, largely in simple neighborhoods, and its impact gradually decreases as the man increases his rank to rely more and more on learning and gaining experience, so that development ends with the finest beings (man) characterized by logical thinking, the biological clock is an example of the interaction of organisms with the environment, many organisms are directly linked to the movement of the sun, moon, night and river and their actions change periodically accordingly. Flowers bloom and close. The crab changes color by time. Birds are active at dawn. Plants change their physiological activities by day or night and so on. Many insects, lower animals and plants also contain an internal biological clock that predicts the time associated with the movement of the sun. And that even if she is in a situation where she does not see her, tell you an instinct that God loved to organize her life. The cell needs raw materials so that it can perform its multiple functions of proteins, fats, starches, vitamins and water. All come from food and drink derived from the surrounding environment. The body can analyze complex foods and swarms to their primitive elements as digestion using auxiliary chemicals called enzymes. Grills turn into sugars and fats into amino acids and this. which man had no hand in creating, multiplying or spreading. The process of extracting the energy needed for life from food in most cell cells is the cause of oxidation, which is the interaction of the

oxygen element from the ocean with primary food materials. The discovery of the laws of the liver in the human body is the result of a meeting between the objective knowledge reached by the modern world in a study of the human body and its working style and knowledge of science. Concerning the laws of nature, it is essential that man live according to these laws in order to reach God's paradise. Dr. Tony Abu Nader has delved deeper into thematic sciences as well as in the science of the *datiya*. It has immersed in modern leap sciences and the divisions and functions of the body's organs. He delved deeper into science and ancient books, the most important of which is Veda sciences. He was able to connect them together to come to the conclusion that the natural laws of the whole universe exist in the human body within man. According to current discoveries, scientists predict that the number of species of life that have lived on Earth and disappeared and live today will reach about five million. Each represents two billion people, and its average life on Earth ranges from half a million years to five million years. Every type of this life has been given by Allah to carry out all vital processes such as nutrition, the ability to represent glandular (metabolism), output, breathing, growth, reproduction, adaptation, movement and sensation (except plant). There is no doubt that the environment, nutrition and breathing in living organisms. The variety of forms and depends on each other to continue life on the one hand and balance the environment on the other. It is noted that the rate of natural glandular representation is inversely proportional to the size of the body in the animal or plant the larger the size, the lower the rate of representation. And vice versa. It is obvious that the heat of living bodies increases or decreases according to glandular representation, so organisms that lose their temperature quickly because of their composition or environment are obliged to increase their nutritional

representation (e.g. mouse). On the contrary, you keep the heat, and its glandular representation is slow (e.g. elephant).

The study of nature is an amazing formation of the means created by Halla al-Ma'ali in the objects of the organisms, so you can stay and see the surrounding environment. throughout its life, as well as in the distribution of feather areas in birds and its lightness, and lack . **"Do they not see the birds above them, spreading out their wings and folding them in? None upholds them except the Most Beneficent (Allah). Verily, He is the All-Seer of everything."** (Almalk19)

The study of beekeeper has shown the marvel of creation in the continuation of bees with each other, the beekeeper in front of its peers shows a dietary source of a certain distance from the bee cell. To reach it according to the number of cycles per second, with great accuracy, Glory be to God, who made this subject to her without reason or logical thinking. Such as the case of the turtle and the hedgehog. Allah Almighty made the wing of the bird not to pass the air, as a turtle and a hedgehog.

Allah has made the wing of the bird not passed by the air as he created for the legs of ducks and some membrane turtles up between the fingers. It can push water while floating. Physically, the momentum increases as the surface space increases, so how did these animals learn? By the laws of dynamic movement in nature? So we conclude that who created the environment, is the same one who created those beings in which it lives and with them.

Nature in ecosystem

It is a group of living organisms that live and interact with the surrounding elements of the environment, living and non-living, in order to maintain the continuity of their existence, through the exchange of various types of matter (chemical elements, its nature, nature and energy). A large forest or aqueous environment, and the natural ecosystem of live elements such as plants or animals are more accurately in size, as well as non-living ingredients, which include water, air, soil, sunshine, food and metal resources. Living things are the characteristics of an ecosystem that includes the living components in it, and in turn,

those living things affect the composition of the components of the non-living components in a continuous interchangeable process.

Each natural ecosystem contains three types of living organisms that are related to each other for food, which are:

Producer organisms: such as green bacteria, algae, and bacteria
Anaerobic and plants in general, as they manufacture their own food in the process of photosynthesis, they take carbon dioxide, sunlight and water to make oxygen gas, glucose, and starch.

Consumers: They depend on others for food. As a group that eats herbs and eats meat (and humans) and parasites that feed on the products of other living creatures such as some worms and insects and bats (which feed on blood that circulates) and insects.

Special consumables: They are what is known as eating crumbs. By decomposing dead plant or animal organisms into their simple elements, such as earthworms, lobsters, termites, fungi and bacteria, and thus those primary elements return to the organism's encroachment cycle in order to place it in the soil.

Each natural ecosystem contains non-living substances and elements that affect it, including water, soil, heat, light, chemicals and minerals. Each organism has a certain proportion of those elements that it prefers, so that if the organism's power was impaired, it would be affected by that environment and forced either to migrate, decay or become extinct. It should be noted that there is a clear natural regulation in the exact relationship between fertility and mortality rate in each organism. (of births, eggs, pollen and seeds) commensurate with the rate of loss expected. Fish and turtles, for example, come out egg because their

chances of survival are low, and rabbits consistently produce their birth for the same reason, unlike humans and large animals... And so on.

As an example of the evolution of the natural environment, let us examine how slow life can be sequenced in a dense natural environment. At first, algae first come to settle between cracks, which are organisms that are able to adapt to their environment, growing rapidly and excreting rock-melting acids, turning them into soil, and when those algae decompose, they can receive small plant seeds. Then, they grow bigger plants and so on until the trees start to appear until they become a forest.

There is a complex connection between flora and fauna and the environmental relationship. The climate and the natural environment largely determine that relationship. In every society, there is a complex correlation between plants, animals and others, with one dependent on the other for food, where the plant converts solar energy into starch and sugar, the caring animals come, the herbivores, the meat-eating animals come to eat the grazing animals, and the remains of animals and plants and their residues remain lying on the ground and are analyzed into their simple elements to be used and mixed with the minerals and not. This course is known as the Food Chain. And when animals and plants are a section of complex food processes and chains we call (food subscription), it's the basis for building a living society for those organisms.

Maintaining ecological balance

Many of the Life Scientific Research has taken care of an environmental balance and convicted between objects. from organic to inorganic, all using countless types of in animate objects. The environment is based on the interdependence and coherence of its elements in a mixture of relationships. This links living organisms to each other , and these organisms are linked to environmental influences on the other hand, through an enormous amount of biological interactions that work, in perfect harmony, to drive systems to cope up with the surroundings in harmony.

“And We have sent down rain from the sky in a measured amount and settled it in the earth. And indeed, We are Able to take it away

and We brought forth for you thereby gardens of palm trees and grapevines in which for you are abundant fruits and from which you eat And [We brought forth] a tree issuing from Mount Sinai which produces oil and food [i.e., olives] for those who eat.”

(Al-Mo'menoon,18-20)

Here the verse explains the importance of the diversity of living and natural organisms in which they live, as this makes the environment balance on one hand and the effect of one organism is not overshadowed by the other, and therefore we note that eliminating bacteria by using antibiotics helps in the reproduction of viruses, and that the increase in cats reduces the number of mice. The word “Beqadar or measured” means with wisdom and management when dealing with the quantity of water, as it does not increase to drown or spoil, nor does it decrease to cause famine. This is a request from Allah to respect all forms of life on the ground, and protect the living creatures of animals, birds and plants known from the time of Noah.

{[It is He] who has made for you the earth as a bed [spread out] and inserted therein for you roadways and sent down from the sky, rain and produced thereby categories of various plants. Eat [therefrom] and pasture your livestock. Indeed in that are signs for those of intelligence.} Taha\53-54

The Creator also paved the way on the ground the day he gave everything its creation. So he gave this earth its creation in the form in which it was created, fit for the life that He decreed on it, and He gave humans their creation as well in the form in which He created them fit for life on this earth. And as a practical example on environmental balance, see how

sand and dust storms are considered hated and a source of inconvenience to many people in a way that does not lead to sexual intercourse.

Adaptation of Organisms to the Environment

Lifecycle in the Environment

Ecology is the study of the relationships between living organisms and the world around them. We note that the life cycle begins with the sunlight that falls on the green plants to produce their own food during the process of photosynthesis. Then animals subsist on plants, so energy is transferred to these animals and then to carnivores which feed on the one before. After the death of plants and animals, parasites (insects and germ) decompose it into its primary components, which leads to the release of stored energy to spread in the soil and water. Consequently, the cycle starts again

Manifestations of the relationship between organisms

Various forms of it are there; here are a few examples:

Competition:

Food interrelationship is made up of plants and animals that compete for different levels. Plants compete for a place where there is sunshine, as well as for raw materials such as water and minerals they need for growth. While herbivores compete for the plants and herbs to feed on it, the carnivores compete for other animals which they feed on.

Mate-Finding:

The Almighty says, "And the earth - We spread it out and cast therein firmly set mountains and made grow therein [something] of every beautiful kind, (7) Giving insight and a reminder for every servant who turns [to Allah]. (8) And We have sent down blessed rain from the sky and made grow thereby gardens and grain from the harvest." [Qaf 7-9] We note that various living organisms have a plenty of instincts. Instinct is defined as invisible and intangible in which we can't feel directly. However, these instincts refer to not invisible behavior. Scientifically, rather its completely a noticeable phenomenon. Human had recognized this instinctive behavior, which there are thousands of, in his normal life or scientific research. It is always consistent with life simplification and protection. Therefore, finding a mate for everything is to keep continuation and beingness as well as there is life and until Allah inherits the earth.

Sexual Reproduction

The common method is sexual reproduction. That required two cells to unite together as one because each one contains half of genetic material that is necessary for a new descendant. One of them, Ova, is bigger than the other, so that doesn't need to move. On the other hand, the second, sperm, is smaller and has a long tail as whip. While women release the egg cells, men produce the sperm, and when they meet, all the genetic material come from father and mother.

Asexual reproduction

That means animals don't need to look for a mate. Many species of one single cell reproduce in this way, dividing into two similar parts when it becomes an adult. This method of reproduction means that organisms are similar and each adult can produce two like its kind. Sometimes, it returns to both ways of reproduction above. For example, corals and their like aquatic creatures change between asexual and sexual phase in their life cycle. During the asexual reproduction, animals produce bud in his body side, so it becomes an additional creature. It may become a separate colony. On the sexual reproduction stage, animals produce gelatinous creatures which carry sperm and ova to unite in water, become a growing larva, and turn to new creatures.

Means of defense with Organisms

Many animals and plants have glands playing role in excretion substances for other living organisms. To avoid hurting itself, these glands only excrete it to the outside, some of which came in the form of a liquid with a specific color or odor that causes irritation to the body of the attacker if it reaches its mouth, nose, or eyes. One of the well-known examples is the venoms of snakes and the secretions of some germs that are chemically composed to be able to paralyze the effect or release certain secretions within the neural tissue in the attacked creature leading to neuromuscular paralysis. How is it able to know these chemical equations in its body and also the body of prey? How is it able to produce defensive secretions with such extreme accuracy? These questions can only be answered by the creator, Glory be to Him. One of the wonderful examples of Organisms' defensive means is their ability to change their color to vanish in the environment around them and hide from predators by changing the colors of their skin thoroughly and quickly.

Evolutionary adaptation

As an example of an animal's evolutionary adaptation, a tree frog deposits a clutch of eggs into a gelatinous funnel to ensure that it will remain over water. on one hand, watch the difference between bees and hummingbirds which feed on the fragrant

colored flowers. On the other hand, flies feed on dirt and blood and are only attracted to bad smells. Therefore, the flower used by flies to continue her life cycle has no good smell or look. Generally, flowers are shaped in a way to allow the insect to enter them a little to ensure that its external body carries a sufficient amount of pollen grains, so it delivers this to another flower..... and so on.

One of the most astonishing forms of coherence of organisms is what is seen in the Orchid flower. Because of its similar color and shape with females of some species of bees, males come to the flower deceived by the shape of a female bee that seek sex with it, hence it goes to another flower like it. Consequently, the pollen movement happens between them. Is it reasonable that this plant is able to see the shape and color of the surrounding insects? Is it able to change its shape to look like its females, not males? Is it deceptive to a degree that allows

On the issue of moving, evolutionary adaptation is obvious. The simplest kind of movement in the body of germs is an undulatory movement which helps them to move randomly. Then the evolution progresses to the presence of protrusion in the form of flagella in other types in order to move them in a certain direction. After that, fish and reptiles that depend on the friction of their body and its interaction with the water or solid ocean appear; then the appearance of the feet of different types until they end with wings with shapes to utilize the air in the transmission.

The study of nature reveals astonishing assortments of the means that Allah Almighty created in the bodies of creatures so that they can survive and triumph over the surrounding environment. We conclude that whoever created the environment is the one who created the organisms that live in it, and it is known that insects are the creatures most capable of adapting to the nature around them. Some insects have two wings on each side, and the front is leathery to protect the main back wing for flight. The insect escaping from danger, the snake squirming if hit, the plant withering in the absence of its owner, and the bird feeding its chicks, does not necessarily mean that the insect is afraid, and the snake is in pain, The bird urges. Although all these feelings are present in man, but there is no evidence that they do not exist in the rest of the animal or plant kingdom.

It must be noted that many insects, animals and plants on earth's surface contain an internal biological clock that tells them the time associated with the movement of the sun, even if they are in a situation in which they do not see them. It is an instinct that Allah gave them to organize their life.

Another example of adaptation, we mention the chameleon when it changes the color of the surrounding environment, and Allah has endowed it with the ability to change the color of its skin continuously as a kind of disguise. Therefore, this crawling animal is linked to the light with its surroundings. The creator of colors in nature is the same who created the ability of the skin in the chameleon to transform to give the same color, knowing that the color in physical terms is nothing, but the ability to absorb all types of light spectrum except for the spectrum of its color. That means it is reflected for those around to see it ; for example, the red substance absorbs all colors except red and blue..... and so on.

Also, the examples of the migration movements of fish and birds are many that biologists know. They travel thousands of miles in fixed directions and in a periodic movement according to the seasons. Salmon return to the same position in water that it left from its eggs according to his sharp chemical feelings to determine places and kind of the environment. It travels oceans regularly in constant movement and accurate direction and speed. The theory of the internal compass based on the position of the sun and the stars, as well as in a more complex way on the direction of the earth's gravitational field, may be an explanation for this gift that Allah creates, as well as the homing pigeons also fly across oceans and continents to reach the same location always. In addition, bees use the sun and Albatross Earth's magnetic field to determine its directions, not to mention the bat's exploitation of the laws of the frequency and reverberation of air waves to determine its direction in the dark, so that the organism with the senses it was created with can measure its location relative to the earth even if it is in complete darkness or among the clouds. All are indications of the oneness of the Creator for these living beings and for the environment they live in.

The visual ability in the eagle's eye, the smell in the dog, the speed of movement in the leopard, and other examples, are only indications of the Creator's grant to each

of them so that they adapt to their own needs according to the nature of their life. The ability of some insects and fish to emit light through chemical reactions that show that its creator is the same who created other beings likewise, the inspiration of ants and bees in building and organizing homes, the instinct that drives the cat to bury its excrement in the dirt, and for the crow to bury the body of another crow. Allah, the Almighty said: "Then Allah sent a crow digging a grave in the ground for a dead crow, in order to show him how to bury the corpse of his brother. He cried, "Alas! Have I even failed to be like this crow and bury the corpse of my brother?" So he became regretful." [Al-Ma'idah: 31] All of them are indications of one Creator, Glory be to Him. There is no god but He.

To sum up, we saw how the environment, nutrition and respiration in living organisms are of various shapes and depend on each other for the continuation of life on the one hand, and the balance of the environment on the other.

Plant-Environment Interrelationship

Allah Almighty said: {And put forward to them the example of the life of this world, it is like the water (rain) which We send down from the sky, and the vegetation of the earth mingles with it, and becomes fresh and green. But (later) it becomes dry and broken pieces, which the winds scatter. And Allah is Able to do everything.} [Al-kahaf/45] Also, He said: {Do you not see that Allah sends down rain from the sky, and We produce thereby fruits of varying colors? And in the mountains are tracts, white and red of varying shades and [some] extremely black.}[Fater/27-28]

When the water of the sky descends on the plant and mixes with it while it is an embryo that is still hiding in the form of a seed, it absorbs this water and turns its materials and elements into simpler forms with which it can start a new cycle of growth. After that, the seed grows to a strong plant that produces small beautiful fruits which hands reaches to feed on it. But soon it becomes irritated and become ready for harvest, as it is time-limited, then it becomes wreckage and scattered by

the wind. Thus, the course of his life ends after he leaves a wealth of seeds that can repeat the previous cycle with the same efficiency in this strange balanced pattern. Note the interpretation of the Almighty's saying: {And caused to grow therein all kinds of things in due proportion.} [Al-Hajer/19] That means that plants mate with each other because each species of them is divided into male and female in which they mate by means of pollen, and through these grains the male plant is connected to the female plant. The noble verses confirm the comprehensiveness of the balance in the plant environment, which has been proven by modern science in impressive details. We clearly see the ecological balance and its importance in the circulation of nutrients in nature and within the living organisms like plants, animals and humans. The Holy Quran tells the picture of this rotation in general in the Almighty's saying: {Thereof (the earth) We created you, and into it We shall return you, and from it We shall bring you out once again.} [Taha / 05]. In general, the elements of man and all other animal creatures are from the elements of this earth, and from its crops they eat, and from their water they drink, and from their air they breathe. It is a cradle and stable, to which they return corpses folded by the earth, remains that mix with its soil, and gases that mix with its air.

Plant physiologist Fritz Fent says: There are no raging conflicts between plants, nor hostile combat, but harmonious growth on the basis of participation, peer to peer. The principle of cooperation is stronger than the principle of competition. The plant lives in different environments, balance with them, respond to their influences, defend itself by various means, and can avoid their harsh conditions, either by modifications in its external form, anatomical structure or physiological functions. It is appropriate here to mention Mendel's law (1822-1888), Austrian scientist who studied the evolution of plants, especially peas in how genetic traits are transmitted. He says: "Every new genetic trait joins with other traits to be interconnected with the needs or traits of other living beings, so dominant or recessive inherited traits appear in order to indicate the organisms' ability to make that association with a holistic way that fits the conditions of each being."

Undoubtedly, the plant's sense of the sun and the earth's gravity is clear in the fact that its roots grow downward, and its stems up, and the opposite never happens, so where does the plant think? For examples, the olive tree, which is the blessed tree as Allah Almighty called it in the Holy Quran, is distinguished by its superior abilities to store nutrients and recycle them within its ecosystem. In research showing the circulation of nutrients in the ecosystem of olive trees, it was found that these trees are characterized by a tight system in the circulation of nutrients, especially the elements nitrogen, potassium, calcium and phosphorous. The annual absorption of these elements is equal to the annual amount returned to the soil. The storage of nutrients in the skeletal organs of the plant for the years of light gestation is made to give an abundant crop in one year and a less abundant crop in the following year. This is one of the organizational processes that Allah Almighty has blessed olive trees to counter the scarcity of food resources in the desert ecosystem, and olive trees are highly efficient in absorbing nutrients from a large area of soil due to their extended and spreading roots, like most desert plants.

Among the examples that illustrate the relationship of plants to the surrounding environment, we mentioned windbreaks in desert ecosystems with a harsh climate, which were made to achieve ecological balance in these systems that are characterized by a special nature. The Holy Quran Mentioned these windbreaks, so The Almighty said: { And put forward to them the example of two men; unto one of them We had given two gardens of grapes, and We had surrounded both with date-palms; and had put between them green crops (cultivated fields etc.)}

[A;-Kahaf/32] They are two fruitful gardens, surrounded by a fence of palm trees to act as windbreaks, and in the middle of them are plantings. It is the optimal multi-productive ecosystem that guarantees varied income throughout the year. In focusing on this biodiversity within the agricultural system, there is an indirect exposure to the disadvantages of crops of a single fruit, which Modern agricultural experiments showed some of, such as the lack of soil, the large number of diseases, plant pests and insects, and their gaining immunity against pesticides. To indicate that water is the basis of plant life, the Almighty said: {And have sent down from the rainy clouds abundant water. That We may produce therewith corn and vegetations.

And gardens of thick growth.} [Al-Naba/16-14] as The Almighty said:{That We pour forth water in abundance, And We split the earth in clefts,} [Abas /26] About plant interrelation with the wind, the Almighty said: {It is Allah who sends the winds, and they stir the clouds and spread them in the sky however He wills,}[Al-Room /48] as His saying: { And We have sent the fertilizing winds and sent down water from the sky and given you drink from it. And you are not its retainers.}[Al-hajr /22] The two verses explain the role of wind, moving air, in transferring pollen grains between plants, thus spreading from land to land, as well as dust particles on which water vapor accumulates to fall the rain. Thus the relationship between air and plants on the one hand and air and water on the other hand becomes clear.

The previous verses highlight the basic factors and mechanisms on which this agricultural system is based:

Climatic factors: "That We pour forth water in abundance." There is a reference to the influences that contribute to the rain, which are winds, clouds, heat, evaporation... The noble verse summarizes all of these factors in their natural result, which is rain.

Soil factors: "And We split the earth in clefts," The verse refers to the role of soil in the agricultural system as a whole, the methods of blowing, and turning the land.

Plant characteristics: This is the third essential factor to determine the success of the agricultural process. It includes the conditions of the germination process and the type of seeds used.

These three factors determine the success of any agricultural process. It is an equation with three elements: climate, soil, and vegetation. This fact was confirmed by this verse more than fourteen centuries ago.

Plants depend on sunlight to extract their light energy through their green surfaces containing chlorophyll. This process, in short, depends on the absorption of carbon dioxide from the air, which is an energy-poor gas, in addition to absorbing light energy and storing it in the form of organic bonds that convert carbon dioxide from the air to sugary substances rich in energy. Thus, the plant is vitally linked to the air

and the sun in order to continue to perform its role in normal life. For this cycle to continue, bacteria and animals, especially humans, digest the sugary substances stored in plants to convert them into primary energy again so that carbon dioxide come out of them to the air and the waste products of digestion return to the earth. Thus, life continues. A holistic view shows that the sun, germs, plants, animals, and the earth's resources such as water and soil are all interconnected indispensable organisms as a condition for the completion of that life cycle. If there is a defect in one of them, Life on Earth would stop. Inevitably, metabolism is the process of extracting vital energy from food resources inside the body, and these foods usually come from either plants directly or the bodies of animals that fed on plants indirectly. This explains the food chain, where energy is transmitted from one organism to another through this chain. A simple example of this is the lettuce plant on which the rabbit feeds on; the rabbit is swallowed by the snake, and the latter is preyed upon by the eagle...and so on.

The chemical composition of plants has an opposite concept to photosynthesis, which is the production of high-energy organic compounds from inorganic raw materials and without the help of light energy. They fall on the green leaves in what is known as photosynthesis, to make their food from plants and the food of other living things, so they are stored in the form of fruits, sunken roots or visible leaves.

We give another example of the association of plant organisms with the sun. The delicate marine plant called, plankton, is a plant that remains in the surface layer of water, which reaches a depth of 100 meters at most in what is known as the light range area. It is the only marine organism that can manufacture its own food through photosynthesis, such as a wild plant, so that other marine organisms feed on it. One of the clearest forms of adaptation to the environment is flowers. The diversity of flowers in their shape, organs, and smell is to be in proportion to the other organism that will be attracted to them, which in turn will be a means of transferring pollen from the male flower to the female flower in the same plant or to another plant far from it. Thus, the life cycle is completed. The pollen in them is equipped to ride the air due to its light weight and the ability to travel hundreds of miles with the wind.

Allah created the KELP plant, which grows at the bottom of the seas with wide leaves that contain air bubbles that raise them inside the water so that they remain erect, with a length of about tens of metres. Who taught this plant the law of buoyancy? Glory be to the Creator.

We conclude this chapter by Almighty saying: {And with Him are the keys of the unseen; none knows them except Him. And He knows what is on the land and in the sea. Not a leaf falls but that He knows it. And no grain is there within the darkneses of the earth and no moist or dry [thing] but that it is [written] in a clear record.} [Al-An'am / 59] In this noble verse, there is a wonderful description of Nature in its entirety, including plant and other organisms on land and sea, either visible or hidden, to indicate the importance of the nature of the earth and its balance for the continuation of humanity in the best way and to clarify the necessity of reviving the earth and its reconstruction and the importance of belonging to humanity in order to preserve it.

Plant-Animal Interrelationship

The Almighty said: {Then let man look at his food, (and how We provide it,(26) For that We pour forth water in abundance, (20) And We split the earth in fragments, (26) And produce therein corn, (27) And Grapes and nutritious plants, (28) And Olives and Dates, (29) And enclosed Gardens, dense with lofty trees, (30) And fruits and fodder,- (31).) For use and convenience to you and your cattle.} [Abbas / 24-32] likewise the Almighty said: { Have they not seen that We drive the water [in clouds] to barren land and bring forth thereby crops from which their livestock eat and [they] themselves? Then do they not see?} [Al-Sajdah /27]. Here, Allah Almighty presented livestock to people, and mentioned the cultivation only, not mentioned the fruits. The feeding of livestock depends primarily on the remnants of the cultivation and the cultivation itself, especially barley, corn, beans and soy. While human food does not depend on the cultivation only, but on many products including animals and their

meat. There is also great wisdom in presenting the word livestock to people, because their diet is vegetarian and not animal or mixed. However, in the recent period, man violated this cosmic system and started feeding livestock flour for animals under the pretext of raising the level of production. The result was catastrophic, as many diseases appeared, such as Bovine spongiform encephalopathy (BSE), commonly known as mad cow disease, and caused the destruction of millions of livestock. Therefore, Allah Almighty followed this verse with the phrase, "Do they not see?" which means, O people, consider this divine approach, and do not violate it. Among the features of the clear interdependence between plants and animals (as well as humans) is the gradual ripening of fruits in many of them. At first, it is not attractive in colour, smell, and their taste when eaten, but when they ripen, they change and acquire attractive colours and fragrant smells to entice animals, especially humans, to eat them. Its instinctive interest in this is that these fruits enter the digestive system of the animal and release their seeds that were inside, as these seeds have wonderful defensive means. They have a bitter taste so that the animal is keen not to chew them, otherwise it will be damaged. Also, these seeds are protected by an outer layer that resists the digestive enzymes in the animal that ate them, in order to be able to exit safely with its faeces in the process of excretion, and to find an environment suitable for germination again. This mechanism transports the seeds to distant places about the original location of the fruit, so the plant can spread throughout the earth. Did the plant plan for all of this on its own, or was it Allah Almighty who created plants and animals? He is the one who created a formula for the interrelationship between them, so the animals feed on the fruits in exchange for transporting the seeds and then the plants to places they cannot reach.

The complex relationship between plant and animal is called the ecological relationship. The climate and the surrounding natural environment largely determine the type of this relationship. In every society, there is a complex interdependence between plants and animals, as the animals and plants depend on each other to obtain food. Plants convert solar energy into starch and sugar, then grazing animals come and eat plants and herbs. Then the carnivores come and prey on the grazing animals, while the remains of animals and plants and their waste remain lying on the

ground until they decompose into their primary elements, mixing with Minerals and other types of inanimate objects that the plant uses to grow again. This cycle is known as the food chain.

Allah said: {And the good land - its vegetation emerges by permission of its Lord; but that which is bad - nothing emerges except sparsely, with difficulty. Thus, do We diversify the signs for a people who are grateful.} [Al-A'raf/58] In this verse, Allah called the soil as country, which is at the peak of miracle. The soil, with its components and living organisms, is similar to the country. It contains billions of small insects, and billions of microscopic organisms such as fungi and bacteria that feed on organic substances and transform it into mineral substances within the framework of geochemical cycles, such as the cycle of nitrogen, phosphorous and sulfur. These transformation factories operate without interruption throughout the year. The soil also contains channels of flowing water and evaporation and contains air, oxygen for ventilation, and also dwellings as shelter for these organisms such as granules of sand and clay. Thus it represents a whole realistic country by containing these networks of relationships and vital activities between the organisms and its surroundings. It can be balanced, civilized, and governed by principles and values such as justice and freedom, which results in a civilized, sophisticated economy with a wonderful scientific progress. Yet, it can be an ignorant and backward society, which produces a corrupt and malicious generation. Likewise, the soil is produced according to the conditions that govern it and the quality of the creatures that inhabit it according to its component. This is a rich sea of science called animal ecology and microbiology, which studies the relationship of living organisms to their surroundings and their relationship with each other. The noble verse of Surah Al-An'am expresses this great meaning: {There is not a moving (living) creature on earth, nor a bird that flies with its two wings, but are communities like you. We have neglected nothing in the Book, then unto their Lord they (all) shall be gathered.}[Al-Anaam/38] An example of the extent of the interdependence of plants and animals is when the late Chinese President Mao Zedong issued an order to exterminate the sparrow that destroyed a huge amount of the wheat crop in his country. The Chinese did not hesitate to implement the order of their leader, and

huge quantities of that small bird were exterminated. Despite that, the wheat crop decreased. After serious research, it became clear to them that this bird not only feeds on wheat, but complements its food by picking up soil worms. As soon as the numbers of the sparrow decreased, the soil worms multiplied and damaged the wheat crop, so the Chinese stopped combating this beautiful bird.

All mammals, like other living creatures, need food. Many of them are herbivores and eat plants, some of which eat herbaceous plants close to the surface of the earth, some eat the leaves of small plants and the lower branches of trees, while others, such as elephants and giraffes, extend to the upper leaves of the trees. The food is divided, so all herbivores participate in it. In turn, herbivores form food for carnivores, which are mostly snipers and quick. In the other hand, some of them do not depend on hunting or hunting, rather repair dead animals or the leftovers of hunting carnivores. Carnivores, especially slow-motion, find their source of strength in ant villages and inhabit places where ant is found much more. The animal is able to examine the kind of food by examining its teeth that Allah created for. The herbivores, for instance, need grinding teeth; because grass and plant leaves require more chewing, while carnivores need sharp teeth that cut and slice flesh. While ants' eater does not need teeth at all since it replaced by a long sticky tongue that ants collect. Undoubtedly, the lizard's tongue is characterized by its length, flexibility, and ability to stick, which makes it ready to hunt distant insects at a lightning speed. One of the strangeness of creation is how some animals when they get sick like the donkey start looking for a specific herb and suitable treatment for their disease. Who does guide it except its creator?

Some examples show the integration between plants and animals as the mutation of some flowers associated with hummingbirds so that they become distinguished by the red color that it sees well. Its leaves have been prepared so that its long beak enters to suck its nectar, and it is often suspended and dangled in the air because this bird does not need land Standing on it while sucking nectar. Another example appears in the mutation of some insects in order to closely resemble the color and shape of the leaves of the plant to which they are attached, so that the attacking

animal cannot differentiate between them to disappear from his notice. The interdependence of plants and animals also appears in those attractive scents that plant flowers make, not for the enjoyment of human beings, of course, but to attract insects to them from long distances if it does not see them. To get their food, some tropical forest plants, some of their leaves have turned to be like a container filled with liquids that digest the insects that fall into them, or for the excrement of birds that nest inside them, such as bats, so it made a fertilizer after excrement. So how did those plants learn to make those these volatile chemicals; how did they know that the air would carry them far away, and that they would have an attractive scent but not punctured for the insects in the intention of attracting them to be loaded with pollen in order to transfer them to another flower waiting for them? Do you not see that it is a complex work with various tools? The greatness of the Creator is manifested in it since the begging of time.

Animal-to-animal relation

Arab says: "each sharqa is fertile and each sakk'a is ovum." Sharqa is an animal with ears like a bat which procreate by birth only. As to sakk'a, which is an earless animal like a turtle, it procreates by ovulation. This is conclusive proof that the animal world is connected to each other by regular, comprehensive, and congenital rules. Animals are diversified and divided into groups, and each group is similar in common characteristics. Is not that proof that their Creator is one? This rule applies also to human beings, as he belongs to the animal group without ears and reproduces by birth. It is not by chance that a comprehensive rule applies to most animals in the procreation way while those having ears reproduce by birth whatever his group is and the earless one procreates by ovulation. Who is the maker of this rule except for the only creator, Allah?

Animal interaction with its environment:

Most animal behavior is controlled by instinct. For example, spiders spin webs and birds to build nests without anyone teaching them. The cuckoo bird can find its way to Africa without the help of their parent too. Nevertheless, animals like

chimpanzees can learn by themselves, and some animals hibernate during the winter; in other words, cold-blooded animals, which can't generate internal heat, sleep deeply during all cold months. Without going into hibernation, their body heat may drop, and die. In contrast, warm-blooded animals don't need hibernation, but there are some anomalies such as mice, hedgehogs, bears, and some bats that hibernate despite being warm-blooded animals. In the matter of animal reproduction, a well-known rule says that the number of eggs or natality is inversely proportional to the rate of imminent danger from birth until being capable of self-defense. Therefore, turtles lay thousands of eggs because most of them will be eaten by birds before reaching safety, as well as insects, germs, and animals. In mammals, the opposite is right for the number of fatalities because their parents protect them very well. Have they done static studies on their offspring after birth? Or the creator makes a rule to keep her survival?

Undoubtedly, the animal world is connected intensively to each other. For example, the administration of Yellowstone National Park, located principally in the north of America, let a pack of 14 wolves in 1995 at a park to reduce the large reproduction of deer in it because they caused damage to the spreading of plants. When wolves killed some deer, it began to change its nutritional temperament and had a negative impact on plant wealth, so plants began to restore the normal until they gradually became forests and attracted birds and bears to trees looking for berries. Beavers also feed on berries, so it builds dams on the stream, so which encourages the aquatic animals to reproduce, such as ducks, reptiles, fish, and others. On the other hand, the attack on grasshoppers led to the liberation of rabbits and mice and the attraction of eagles, foxes, and Herpestes which all are scavengers. Because of the spread of plants, streams, rivers, and water bodies became organized. A small pack of wolves made all these changes and restored the balance of nature that had been weakened by humans.

Another example is research into a strange phenomenon scheduled by the World Health Organization (WHO) in 1970. The aim is to understand the plague spread after the extermination of mosquitoes in swamps that had been dried. Later on, it turns

out that frogs feed on mosquitoes, and both of them live in the swamps. With the extinction of frogs, lizards suffered a famine that led to the starvation of cats that were feeding on lizards. The decline of cat numbers causes an increase in the number of mice which is the main reason for the plague and the transmission of the fleas. The best example of animal interaction is the crocodile. Its mouth remains open as well as the existence of a pelican or plover bird in it to clear its teeth from all stick leftovers. The same is with rhinoceros which allows birds to enter their ears and clear what is stuck inside. Is this symbiosis by pure chance or inspired by the creator?

Animal behavior

Undoubtedly, animals, either flying or walking, are common with humans in different regulatory characteristics, but they are all similar in having a clear biological sequence. Look at features of the animal world

Communication among animals

It is not necessary to teach animals how to make most things because they are born with the ability, which is called instinct, to find their food, avoid danger, and build their homes. Most animals depend only on instinct to survive; for instance, invertebrates and some vertebrates live interactively with what's around. What distinguishes living organisms, especially of the same kind, is their communication by so many different methods. Some of them use the language of changing the color, such as chameleons and some fish to affect those around them in disguising, defending themselves, or attracting another creature by using the visual means available in the surrounding environment. Communication by movement is another real example that we observe in many organisms, starting with germs to the largest of animals. This takes the form of a specific movement in the body that the other party defines with a specific meaning may be for the purpose of sexual attraction, as birds and fish do, or driving away from danger, or showing strength and terror. So, the use of visual and dynamic effects is another method to achieve communication between organisms of the same or different genders.

communication happens between animals in two ways. Firstly, negative messages are used to give information about the sender without any interaction. Secondly,

behavioral messages are used when transferring for another animal the way to behave.

Negative messages: -

The appearance of an animal gives enables others animals to recognize him, the group to which he belongs, and his position in society by its shape, color, and size. In each group, there may be physical differences between males and females, and these differences appear only when the animal becomes an adult or fully developed sexually. Many animals make secretions with a special odor produced by special scent glands to define their areas or to distinguish one from the other. These odors may differ between members of the same group, and during the mating season, animals use these odors to attract and provoke the next pair.

Behavioral messages:

These messages are more complex. Every behavior by animals gives some information about itself. These messages show the animal's feeling or warning that it is about to do something whether as a sign or act. In all types of communication, information must be communicated and then understood. However, interpreting this information requires the use of one or a few senses. The animal can also use most of its body parts in communication. In many vertebrates, the head is the most important part used for communication, and facial movements show the feeling of the animal, especially with mammals. Therefore, the animal can differentiate between what another animal feels, even if it is from another platoon.

As an example of behavioral messages, notice the movement of bees which showed the marvel of creation in communication with each other. Bees dance in front of her peers proved a precise riddle that shows food supply in a far distance from the beehive. Actually, the informant bee turns in certain and frequent specific movements to determine the direction of food according to the position of the beehive and the sun and the required distance to reach it according to the number of cycles per second, with great accuracy. Glory be to Allah, who gave her this without reason or logical thinking.

Communication by Sounds

Sounds are used in many aspects of life. The ability to make sounds is one of the most important means of communication. Hence it allows animals to communicate with other animals even without seeing them either to seduce the other party to approach, as many insects, birds, and others do to attract males to females or frighten another being, as the lion does. This happens by using sound effects or by controlling the vibration of airwaves with the vocal cords or by the whole-body movement. Besides, many animals used audio vibration to identify the location and size of bodies around them. For Instance, Bat birds and dolphins communicate by sending and receiving radar waves — whether in air or water — in which the back repercussion defines the information far apart. Communication between humans or animals in making a sound that aims to attract is a process that needs well-knowledge of the physical laws of airwaves and the ability to repeat the vibration of each voice very strictly to have a meaningful concept for the other organisms. It is impossible for the vocal cords to be created by chance because its creator knows exactly the rules of making sounds in the air or water and the transmission of the waves, which has an interpretation within the hearer, through different vibrations. By the grace of those great and complex ability to make the voice using vocal cords and control their muscles and lipstick shape, besides the hearer having a hearing system to interpret voices. All of this led to coherence between creatures in the human and animal worlds. What is strange is that some animals have the talent to imitate the sounds of other living creatures that they hear, such as parrots, sperm whales, dolphins, elephants, and others. chemical communication

chemical communication

Among types of communication, chemical communication defines as releasing gases with attractive or repulsive odors to the surrounding organisms called pheromones, and there are many examples in the worlds of animals and plants. The female silkworm, for example, attracts the male with her scent three kilometers away, and the bees follow each other in certain ways by following the scent they emit on the ground. One of the divine verses is using thread produced from the spider's body to construct his web. This thread is the most powerful material in the world for a divided space

and is five times stronger than steel to prevent it from being cut due to surrounding factors or insects that get stuck in that well-engineered trap. In the world of the spider, the strangest thing is some species secrete a hormonal substance and hang it from its body in the form of a drop suspended in the air. Like a bait, it emanates a scent to attract the male moth, which comes deceived by believing that it is from the female. How could that deceptive spider chemically synthesize that hormonal substance, and how did he know that the female moth is the exact producer? So, he imitated it to attract her males to mate. Are those weak creatures capable of this great degree of understanding, planning, and technology of chemical synthesizing?

Light communication

Some animals use their ability to emit light by communicating with each other. As an example, a firefly or some gel fish at the bottom of the ocean has a fantastic ability to generate light from her body. The most interesting is a special language used to get along with each other depending on sending irregular light signals in an understandable way for the other party of the same kind with the intention of attracting or warning the opposite sex. Man has imitated this divine gift of these irrational animals when he used the language of light signals in the connection between marine boats. How were those animals able to generate light through chemical reactions inside their body, and how did you know that this light can transfer through air or water for long distances? Indeed, it is an advanced technical, physical, and chemical engineering that Allah Almighty placed in the most trivial creatures so to be a lesson.

Migration and relocation

Migration is the movement of animals which Some animals do every year regularly. Simultaneously with changes in all seasons, it is a long journey where animals can reproduce and the food is enough for the family. After reproduction, Animals go back to their original place waiting for the new migration season.

There are so many examples of migration due to climate change. Some wild mammals migrate to escape the cold weather or drought. The red gazelle prefers the summer in

mountains and goes to valleys which protect him from cold in winter. Reindeer travel to the north in spring and go back in winter to the south. In East African plains, huge herds of deer and zebras head for better fields, leaving the plains where the grass is dry and food resources become less and going towards mountains where they can find enough food to eat.

I have studied the phenomenon of bird migration carefully when they usually migrate in flocks. The swallow bird builds its nests in Europe in the summer, so by winter, the chicks are able to fly. All of its flocks travel to Africa where they remain until Spring comes. While some of them may return to the nests they left in the previous summer, geese arrive in the polar regions in big numbers and they fly in the shape of the number 7. In the northern hemisphere, the cuckoo, passers, and nightingale birds are called: (Summer Migratory Birds). There are also winter Migratory Birds, such as ducks and geese, which spend the summer in the polar to build their nests.

As for the southern hemisphere, the matter is the opposite since the birds head south to reproduce and return to the north to have rest.

Some of the bird's journeys are amazing. The longest distance recorded for bird migration is 17600 km, which is the distance traveled by the Arctic tern, as it migrates south from the North Pole to spend the southern summer.

Experts believe that migratory birds are guided by the sun during the day and the stars at night. Although some birds may lose their way if a storm hits them. To increase their understanding of migration, scientists catch some birds to tie rings on their legs before releasing them. These birds are re-caught after their return to indicate the routes and distances they take. One of these birds was released in America and flew 4800 km across the Atlantic to its nest on an island to the west of Wales Beach. The natural motive to migrate may be affected by the length of the day. With the proximity of spring, the ability of birds to eat in preparation for a long journey. increases to store fat in preparation for the long journey. Some insects and fish make shorter journeys. Every year some types of butterflies migrate from Europe to Britain, as well as some types of moths. There are, for instance, types of flying insects that migrate once to Britain where they lay their eggs and then die. Likewise, the toad (mud frog) migrates every year to the same pond where migration distance

may reach 2 km. It spends the summer in the wild areas surrounding the place or orchards hence hibernates. In spring, it returns in the evening to its original pond, not any other pond.

Concerning the ability of animals to determine their path, many of them identify their location and determine the direction of their movement by fixed marks on the ground. Other types depend on a strong sense of smell, such as dogs, to determine the appropriate direction. Salmon, for instance, returns to the position he gets out of his egg because of his precise chemical sense in differentiating places and the type of environment surrounding him when he hatches out. Biologists know several examples of the movements of fish and birds' migration because they travel thousands of miles in a fixed direction and a round movement in accordance with seasons. Homing pigeons, for example, fly across oceans and continents to reach the same location. Many theories have been developed to study animals' means of recognizing their locations. The theory of the brain's internal compass appeared, which depends on the location of the sun, the stars, and more complex on the direction of the gravitational force of the earth, so the animal can measure by the senses it was created with its location in relation to the earth, even if it is among the clouds or in complete darkness.

Courtship

Many animals only mate at certain times of the year when they unite. Oftentimes, animals have complex methods in courtship. Males, which are often larger and more colorful than females, usually compete for females. The male peacock draws a long tail of colorful feathers and opens it in the of an attractive fan when he wants to seduce the female, which is less fanfare than him. Animals also use different sounds to win over their husbands. For example, frogs nock, birds sing, and some animals sometimes release special odors to attract their husbands. when some insects emit

special odors, it extended for far distances, so their mate can sniff it out and fulfill their demand. Likewise, many mammals both males and females emit special odors during the seasons of pollination and mating. That odor is to indicate readiness for mating. Most animals resort to special methods for mating, such as changing their colors or issuing distinctive odors associated with special behavior for these occasions, maybe a special gait, dance, or fight between two males in which the female is for the winner.

There are many reasons for courtship. It shows that the animal has reached its maturity and is ready to mate, as well as its physical ability to do so. The courtship style aims to encourage mating and reproduction. In spiders and mantises, it is very necessary for the male to follow the correct courtship techniques, otherwise, the female may mistakenly think that he is one of her preys and eat it. There is no doubt that pollination of the queen bee requires a race and great effort between males when it ascends flying in the sky. Only the strongest male, who deserves to win, can catch up with them her.

self-defense:

Animals that feed on hunting don't kill except, when necessary, which is out of hatred, anger, greed, or pleasure, as some humans do. Instinctively, each animal has its own way of defense and each bird has a specific behavior for protection. There are several ways for defense and protection: we mention some of them

Staying together

The most common defense method is to stay in a large group. Some animals escape from danger, either by swimming, sprinting, or flying, and some animals live together most of the time. Many types of birds, hoofed mammals, and fish found that staying together and turning around within the herd is an effective means of defense against predators. These groups or herds move on always and stay in a transfer state, although predators follow them wherever they go to keep the food chain going. Many types of creatures have evolved complex social ways, including bees, ants, and mammals such as rabbits and humans themselves. Marsupial mammals such as the

female kangaroo with a pouch that young grow inside of. The newborn lies inside to suckle from his mother's milk. After leaving his mother's pouch, he may return to it whenever he feels danger threatening him. Also, some groups of insects, such as wasps, bees, and ants have developed very complex social systems, as they live in colonies. The offspring of all the colony members are usually from one mighty queen and her husband. The eggs laid by the queen produce workers some of which build and clean the nest and others take care of the eggs and food. The larger animals, such as many mammals; for example, spend a long time feeding, caring for their young, and teaching them to be independent. The strange is that many young mammals are born blindly unable to do anything; they depend at the beginning of their life on their mother to breastfeed and protect them from dangers.

Camouflage:

The ability to change the colors of the skin in some animals plays an important role to help them to protect themselves. It is called them (the colors of invisibility) so that their enemy is unable to distinguish them and stay safe such as some types of fish and lizards. There are types of birds whose feather color is similar to the colors of sandy areas where they reproduce. Many insects, for example, are distinguished by bright colors to frightening their enemies, while some of them are colored to be like another disgusting insect, so the attacking animal thinks of it as a disgusting insect and goes away. Some animals can also change their color quickly, and the best example is the chameleon. At dangerous times, it changes its color from green to brown, or a dark or light color within a few minutes until its colors harmonize with the surrounding environment, as well as the octopus that changes its color from pale yellow to dark red within seconds. Being afraid of something, it releases a cloud of black ink and quickly returns to its natural color to seek survival. Other aquatic organisms have strong conflicting colors such as the black lines on the angelfish. Their contrasting colors conceal the true shape of the fish and increase the difficulty of seeing her. There are other types of animals that can simulate and imitate their surroundings or part of it in a way that their shape becomes similar to an inanimate thing. For instance, the poisonous fish, known as (the stonefish) looks like a motionless stone on the seabed, while Toad, a kind of frog, blows his body like a balloon to frighten the attacking animals convinced to help itself by this trek. The tree frog blows his body

and stands up on his back legs to disguise the grass snake, so it looks bigger than to swallow. While other types such as hedgehogs and thorns wrap around themselves, so their body becomes in the form of a ball surrounded by thorns, animals that live in subpolar regions may change their colors (defensive coloration) to become less visible in the snow and lose their colors to hide in summer, and turns white in winter months. In the polar regions, some animals remain white all year round, such as the white polar bear, snowy owl, and giant dolphin. Among the marvels of creation is a snake in Iran that has a tail on the end of its body that looks like a spider to move it. By hiding its body among the rocks and moving the tail, it attracts the birds that feed on spiders to approach it, then pounces on them. In many organisms, other examples are able to change their color, such as some kind of lizards, mosquito fish, moths, and many others. How could these organisms control their color? And how did they know that this technique hides her from her enemies? Did they learn the laws of light and shadow in the school of nature? Glory be to Allah.

Toxic secretions:

Several types of animals produce poison to protect themselves from their enemies. Usually, they are brightly colored with alarming designs. It is known that some types of frogs produce toxins of different intensity according to their species and secrete them through their skin. In Central America, some kinds of frogs secrete the most powerful poison known in the world, in which one to three thousand grams kills a human being. Many animals have glands to secrete antimatter to other living things. These glands only secrete to the outside in order not to harm the organism itself, and some of these secretions may be in the form of a liquid with a repulsive color or smell, and irritating to the body of the attacking organism if it reaches the mouth, nose or eyes. Some types of scorpions, *Thelyphonus*, for example, possess two holes at the end of their abdomen through which a whip comes out to direct his secretions precisely to the body of the victim. It is made up of a mixture of acetic acid and caprylic acid. Snake poisons and secretions of some germs such as (botulinum) are well-known examples. its chemical composition enables it to disrupt the effect of or the secretion of certain substances within the nervous tissues of the attacked animal. This leads to the paralysis of its nervous system. How do these animals learn neural

structure for the human being and the animal it will attack? How does it make the poison kill him? Doesn't this require a prior analysis of the victim's composition and its chemical and nervous composition. There is no rational explanation except that the one who created them all is one creator, Allah Almighty.

Disguise:

Many animals, especially insects, have developed confusing costumes of disguise. Some insects look like a piece of the plant that they feed on, while others look like flowers, leaves, or thorns. There are skeletal species that appear as leaves that have been bitten by another insect. Is it a coincidence?

physical strength:

Many large animals have weapons, either sharp teeth, claws, or horns, and hoofed animals often live in large herds and are usually distinguished by having for each herd a strong leader who keeps often the leadership contest with other stallions, so it is usually the strongest. Horned animals use their horns to reflect manliness or fighting in mating season. However, it depends on biting or kicking for self-defense. For instance, big animals like big cats such as lions, tigers, cheetahs, dogs, and wolves are using their sharp teeth to bite others. Predators have several methods for hunting since some of them hunt in pack and others are solitary hunters like cheetahs.

Pretending to Be Dead

Being threatened or endangered by an attacker, marsupial lies loosely on its sides, sticks its tongue out of the mouth, closing its eyes as if it died. In this case, the predator hits and plays with it until it loses interest and goes away. Other animals use this method to drive away predators, including snakes and small mammals such as rodents and lizards.

Thus, the methods of animals in self-defense are many. It only indicates that their creator is One, there is no God except He, because He knows the anatomical and biological characteristics of each and knows the danger and its imminent resources. So, He provided each with the best method.

Human with inanimate and living environment interrelationship

Undoubtedly, the relationship of nature with plants and animals is different from that with humans, as the earth provides plants and animals with their vital needs, none of which has a business in earth adjustment and affecting it. For example, the closest animal to a human being only searches for what meets its needs and if so, he stays quickly or he goes for another. In contrast, the human-nature relationship is twofold. Firstly, we find that the natural environment of humans supplies them with the raw materials necessary for them to satisfy their feelings of need. Secondly, it is the place of his actions and his quest to reach his desires. From this point of view, we see that humans' superiority over animals because of their capacity to satisfy their needs made their relationship with the earth stronger than the relationship of other living creatures. The earth adapts man, and he in turn reacts and adapts to the earth. This strong relationship that the superiority of man over the rest of the animals in the struggle for survival, and man adapts to the land, but the land itself determines the extent and forms of this adaptation according to its regional environment, and the shape of the territory has a great influence in distinguishing groups with material and moral characteristics. The earth adjusts humans, so in turn, he adjusts it. Therefore, humans adjust the earth and their superiority over other animals in surviving is due to this strong relationship. Despite the fact that humans adjust the earth, it identifies to what extent this adjustment is according to their regional environment. The shape of the region has a great effect on the group's differentiation in moral and material characteristics. The climate and the nature of the atmosphere is not the only factor in human adjustment because there are the soil, the shape of the region, and the type of endoderm, as well as the interdependence of land and water.

The human relationship with inanimate objects

The Almighty said: {And certainly did We create man from an extract of clay.} [Al-Mu'minun /12] to indicate the association between man and the environment surrounding him since the beginning of his creation. This environment is a mixing of a solid with liquid substances, all of which is surrounded by gas consisting of air and various gasses at hundreds of kilometers high above ground level. Allah made that

layer linked to the earth by the effect of earth's gravity, as well as balanced in its components and able to protect it from harmful sun rays, meteors, and others. The evidence for this is His saying: {Do you not see that Allah has subjected to you whatever is in the earth as well as the ships that sail through the sea by His command? He keeps the sky from falling down on the earth except by His permission. Surely Allah is Ever Gracious and Most Merciful to humanity.} [Al-Hajj: 65] And He said: {He who made for you the earth a bed [spread out] and the sky a ceiling} [Al-Baqarah / 22]

Humans, living creatures, and the surrounding environment are linked to earthly and lunar gravity. There is a hidden connection between human behavior and his biological changes and between the moon and the stars. Science has confirmed this concept by studying the effect of the moon when it is full on the mood of some people and their tendency to violence and the high rates of abortion which many statistics confirm. many. There are also different types of energy that humans have relied on to continue their development according to their age, the first of which is wind energy, then organic energy in the form of oil, petroleum gas, or coal, and then exploited hydroelectric energy from the movement of water and the energy of hot groundwater and waves, solar energy, which is the basis of the previously mentioned energies, tidal energy and its reason which is the attraction of the moon, as well as the atomic energy caused by that stored in the formation of the nucleus of the elements where it goes out by its fission

In his life, undoubtedly, man depends on the stability of physical laws in inanimate substances, because they hold together and maintain their shape if no external factors affect it. Thus, he was able to predict its change according to the laws inside, and he utilized the law of flotation of wood or metal, for instance, in building ships. and this was explained by the Almighty's saying: {Among His signs are the ships [that run] on the sea [appearing] like landmarks.} [Al-Shura / 32] The verse refers to the blessing of the law of flotation in the ability to build ships the size of mountains that run in the sea

Including all living things and other things, the universe is governed by fixed, innate laws that do not change. But man is different from other creatures because Allah

Almighty granted him freedom and made him his successor on earth. This is a relative deviation from those laws if man intervenes in them. Without the existence of man, nature, including the animals and plants, would have been naturally disciplined according to the laws of the Creator which He placed in it, may He be exalted. The environment is a proof of the individuality of Allah Almighty, as the unity of the system in the universe is evidence of the unity of its regulator. Allah, Almighty, created the environment to service the human being who is the successor. However, because of his long familiarity with his life on earth and the ease of his stability and utilization of soil, water, air and treasures, he forgot Allah's grace in subduing and harnessing them to him. Almighty reminds him by saying: {He is the One Who smoothed out the earth for you, so move about in its regions and eat from His provisions. And to Him is the resurrection of all.} [Al-Mulk/ 10]

The easily handled land is made to walk on it on foot, an animal, or on a boat and to live in it with what it contains air, water, and soil suitable for cultivation and seeking a livelihood, which is clear on plants and animals on its surface and various minerals inside of it.

Reflect on what Allah Almighty says: {It is Allah Who created the heavens and the earth and sends down rain from the sky, causing fruits to grow as a provision for you. He has subjected the ships for your service, sailing through the sea by His command, and has subjected the rivers for you.} [Ibrahim / 32-33]. The Quran context here presents the wonderful harmony between the needs of man on earth and the structure of this gigantic universe, so He made it possible for him to benefit from the rays of the sun, the light of the moon, the guidance of the stars, the rain and the air.

The Almighty said: And twins in the earth betray palaces from its plains, and make the mountains homes.

{Remember when He made you successors after 'Âd and established you in the land—and you built palaces on its plains and carved homes into mountains. So, remember Allah's favors, and do not go about spreading corruption in the land.} [Al-A'raf / 74] Man is an integral part of this vast universe, as there is a spiritual and material interdependence between man and the environment, he lives in. He is a continuous connection and coexisting with nature and all its different aspects and elements. Over time, the human-environment relationship is dynamic and changes

depending on the kind of environment on one hand, and his abilities and capabilities on the other hand. The unity of man with the universe material and spiritual and his connection to the environment in the Islamic concept is a vital and continuous connection that was represented in many Quranic verses and the Prophet Sunnah. A proof of the visible and invisible connection between humans and inanimate in this universe is when the prophet Mohammed, peace be upon him, looked and talked at the hilal saying to him "My Lord and your lord is Allah" [recorded by At-Tirmidhi] We are part of the earth; and it is part of us, so fragrant flowers are identical as well as deer, horses, and the large eagle. All of the rocks that the wind blows, fields, and human beings belong to the same family. Thus, Native Americans have a feeling of so close-relationship with nature. The words of Chief Seattle said, "Every bright pine-needle, every Sandy beach, every fog in the dark forests, and every insect that leap or buzz is holy in the memory of my nation, and the tree sap carries the memory of red human."

Almighty said, {And Allah has caused you to grow from the earth a [progressive] growth. Then He will return you into it and extract you [another] extraction.} One of the aspects of the material unity between man and the environment is His saying: {And Allah has caused you to grow from the earth a [progressive] growth} It suggests that the elements of human formation coincide with the elements of the earth composition from which he was created; the plant is created in it and derives its nourishment through its roots in the earth. This verse was interpreted by the Islamic scholar Muhammad al-Tabatabai by saying: "He caused you to grow from earth like a plant, and his creation ends with earthly elements synthesized in a way to nourishes, grows, and be born. This is the reality of plants as well." In deed, Adam was named with this name because his creation was taken from the earth's crust (meaning its outer shell). As Hippocrates says in his description of the manifestations of nature: "There is one heat, one breath, and all things affect one another". The concept of life networks and organisms interlocking is not a new concept. Many old nations considered that shapes of life are entwined beautifully in which thinking deeply in it is the human method to discover the essential attributes of Allah according to their vision. In Indian philosophy, mountains, rivers, trees, rocks, birds, and the earth itself were sacred and are considered living entities metaphorically. Ganga (Ganges River)

was not, according to those deeply specialized in this philosophy, just a river as the common people looks at it, but rather a god! All Tibetans and Indians consider the environment a dwelling place for the gods, for many of the gods take the bodies of beasts and birds, including the humble rat, which are all undoubtedly delusions. Regarding balanced between death and life in creatures, including man, Allah Almighty said: {And He who created death and life} [Al-Mulk / 2] Billions of creatures die, decompose in the earth, and turn into gasses and dust; if they did not die, the earth will not contain all of it because sources of food are limited. If these creatures died where there are no substances capable of decomposing them, billions of tons of them would accumulate on our land, which led to their destruction. This decomposition occurs by the existence of living organisms such as microbes, worms, and parasites that secrete their enzymes in the earth to return them to their raw materials.

{And when they leave you,¹ they strive throughout the land to spread mischief in it and destroy crops and cattle. Allah does not like mischief.} [Al-Baqara-205] This verse confirms that human beings destroyed the ecological balance. It is a miracle to mention in the Quran for thousands and four hundred years approximately the idea of seas and oceans pollution in which it was difficult for the smallest lakes to be polluted at the time of the revelation of the Holy Qur'an. At that time, the industrial outputs were nothing. Pollution of the seas and oceans began in the nineteenth century and its negative effects have appeared recently.

Human-plants Connection

Allah Said: {And We send down blessed rain from the sky, bringing forth gardens and grains for harvest,}[Qaf/9-10] Also: {There is a sign for them in the dead earth: We give it life, producing grain from it for them to eat, And We have placed in it gardens of palm trees and grapevines, and caused springs to gush forth in it,} [Ya-Sin/33-34] In addition to the fact that the plant is the main source of food and energy for man, it is an integral part of the process of respiration as well. The plant is linked with man and animals in the process of transpiration to produce carbon dioxide gas coming out of them into the air in the process of respiration. Thus, plants use it in building construction. After that, the plant returns and produces oxygen for them and takes it out into the air for humans or animals to breathe. The sun's rays have a great role in

the transpiration process, as they fall on the green leaves in what is known as photosynthesis to enable plants to produce their own food and the food of other organisms in the form of fruits, sunken roots, or visible leaves. Look at the plant life cycle and how it is closely linked and completely dependent on humans and animals. Therefore, the story begins that the seeds from which the new plant will be born are stored inside the fruits, and these fruits are characterized by their ability to attract humans and animals, either by their color, smell, or taste. When it's eaten and digested, the seeds remain steadfast to chemical enzymes in gastrointestinal by devices because they have been enveloped with their protector, and they expire that it exits intact with federal secretions. Since human beings and animals have been exploited, he was forced without knowing, to transfer those seeds to another soil far from the original plant he ate its fruit. Thus, these plants' offspring spread from one location to another gradually, maintaining their survival. Simultaneously, humans and animals keep their food from their fruits. Did seeds storage in fruits, their ability to attract humans or animals to eat them, and the chemical-resistant composition of the seeds in their digestive system, come by chance? or the one who creates everything and in the highest quality is the same one who prepares that amazing train of events? Therefore, animals cooperate in plants surviving, and plants cooperate in animals surviving in the system of eternal life like the members of musical ensembles led by only one (maestro). Otherwise, everything that comes out of it would be discord and absurdity.

In the sunnah, there is much guidance about reclamation of poor land. Omar, may Allah bless him, reported that the Prophet, peace be upon him, said: "Whoever revives a barren land, then it is for him." [Sahih al-Bukhari, Agriculture Book] Anas ibn Malik reported that the Prophet, may Allah bless him and grant him said, "If the Final Hour comes while you have a shoot of a plant in your hands and it is possible to plant it before the Hour comes, you should plant it." (Musnad Ahmed, Anas bin Malik) The Prophet, may Allah's prayers and peace be upon him, show us the importance of preserving the plant environment even in the worst circumstances, and circumstance at the day of judgment is most difficult?

Plant-human symbolic connection

One of the botanical wonders is a flower, called Athan flower, and its scientific name is Oenothera. It is featured by its ability to bloom in conjunction with each call to prayer five times a day, and then close after finishing. This plant spreads in many regions, especially in Azerbaijan.

It is a little strange that the symbolic connection between human beings and plants. Isn't it? For example, the relationship between the external form of a plant that resembles one of the human organs and having the nutritional benefit for this particular organ. Consequently, it is possible to rely on this similarity to know about the nutritional benefit of the food we eat. The thin and circular lines that appear in the carrot segment resemble the shape of the human eye. Science confirms that the carrot helps blood flow and improves the eye's ability to perform its function. A tomato slice contains four red sections in the middle too, and the human heart also contains four red sections.

All research has shown that tomatoes are food for the blood and actually help to have a healthy heart as well as the grapes are tied together having a shape of a heart where each grape is similar to blood cells in the human body. Contemporary research has shown that grapes help stimulate blood flow, enhance the heart's ability to perform its function, and regenerate these cells. Likewise, walnuts that look like the human brain are divided into two parts: right and left, as in the brain, so that the wrinkles or bends on the nut are similar to those on its surface. Science says that walnuts help to develop three groups of proteins that regulate brain function, while beans, which if we wanted to translate it literally from the English language, its name would be: seeds of the liver, actually treat and help the liver to perform its function. It is no wonder that its shape is exactly like the shape of the human liver. Celery plant with a stick that looks like the shape of bones is the main food recommended to strengthen it. It is surprising that the bones consist of 23% of sodium which is also 23% of celery! If there is not enough sodium in your diet, the body takes it from the bones, which leads to weakening bones making them fragile and more likely to break. These foods thus revive the skeleton and strengthen it in the human body. Doubtlessly, the shape of the fruit of the pear or avocado, which is healthy and safer for the woman's uterus and helps it to perform its function to the fullest, is similar to

the shape of this organ, and research says that when a woman eats one avocado every week, it leads to a balance in the production of hormones, thus reducing the overweight after birth and protect from cervical cancer. Compare between the symbolic connection when an avocado needs 9 months exactly to grow from a seed to a ripe avocado and the period of women's pregnancy. Add to this that fig is full of seeds and after growing, each seed bears binary fruits, making two figs from the same bench, besides it helps to strengthen sperms in males and increases their number, and helps in the treatment of infertility in men. Sweet potatoes are like pancreas, and really work on balancing the components that contain sugar in patients with diabetes, as well as olives that support and enhance the strength and function of the ovaries. And oranges and other citruses are similar in their internal form to the breast implants in women and help these organs in their function... And onions are similar to human cells. Contemporary research has shown that onions clean all waste from the human body, in addition to that it brings down the tears .necessary to wash the eye from plankton and excreta

Thus, it turns out that the possibility of coincidence is almost non-existent between the interrelationship of the members of the human body and the forms and benefits of the mentioned plants on which it feeds, and each of which benefits one member .without the other

Human and animal Interrelationship

Allah said: {And He created the cattle for you as a source of warmth, food, and 'many other' benefits. They are also pleasing to you when you bring them home and when you take them out to graze. And they carry your loads to 'distant' lands which you could not otherwise reach without great hardship. Surely your Lord is Ever Gracious, Most Merciful. He also created' horses, mules, and donkeys for your transportation and adornment. And He creates what you do not know.}. [Al-Nahl /5-8] These verses clarify Allah's grace on man since the beginning of creation by making the animal as an instrument in most aspects of his life, starting from being a source of food, to using his products in textile manufacturing, to moving and transporting, and others. There is no doubt that man has relied heavily on the animals surrounding him to establish his

civilization and stability since he was found on earth, so it is indispensable, both ancient and modern, in all societies. Our Prophet, may Allah's prayers and peace be upon him, recommended us numerous times about being kind to animals confirming that they are creatures worthy of not being oppressed. Thus, it is known that a healthy environment for humans does not complete the right life cycle without the presence of animals and their different types. protecting them from extinction is a duty for humans. Otherwise, it will affect them negatively indirectly.

The Sunnah includes hadiths reminding us that some people will not enter Paradise if they cause starvation or torture of an animal; for example the hadith of Ibn Omar, may Allah be pleased with them both, that the Messenger, may Allah's prayers and peace be upon him, said, " A woman was tortured and was put in Hell because of a cat which she had kept locked till it died of hunger; neither she fed it nor watered when she locked it up, nor did she set it free to eat the vermin of the earth." (Sahih Al-Bukhari). This indicates the necessity of being kind to animals, which entered the woman into Hell because of her cruelty.

According to the biologist Rupert Sheldrake, his book shows that animals (of all kinds) have a wonderful sense to their masters; for instance, a dog whose lady suffered from serious epileptic seizures knows in advance that the seizure is about to happen, so he alerts her to be careful of this. Experiments have shown that dogs are able to know this by observing the pupils of the person's eye before the seizure occurs, so it became possible to train them to do so and likewise the prior sense of some animals of the occurrence of earthquakes or sudden sea floods (tsunami) long before their occurrence. Such a high sensitivity is related to an amazing sense of the unity of the environment with nature and with all aspects of surrounding life. Perhaps this is what humans have lost as a result of their contemporary lifestyle far from nature.

Have you ever wondered why rotting organic substances and human or animal secretions have a repulsive stench? It is worth researching, because the unpleasant smell is caused by the decomposition into different gases, the most important of which is methane, due to the effect of enzymes of bacteria and insects on organic substances of plant or animal. These gases provoke some nerve sensors in the human

nose in a way that depends on the analysis of these gases, which leads to sending nerve signals either end with a sense of acceptance of the smell or disgust from it.

This helps a lot in alienating, staying away from that decomposing or rotting organic substance, protecting the body from eating or touching it, and thus from the germs spread within it. The prominent question here is how is the connection between the sense of smell that it is unpleasant and not attractive, and between being coming from organic substance contaminated with germs? He who created the human olfactory system programming it to protect his health by alienating from the remnants of invading germs is himself, His Majesty, who created these germs and insects, and prepared them to be able to feed on organic substances by decomposing them into their raw materials. Thus, it helps human to keep their health save and germs to survive. Also, look at the utilitarian humans-germs relationship; for example, the bacteria that live in the human intestines has a role in helping digestion, as well as in stimulating some germs to manufacture what is known as yoghurt. Note additionally what the Entamoeba parasite, which lives in the human intestines, does by provoking a diarrhea reaction to ensure removing it from the body, so the person regains his health. As a result, this parasite completes its life cycle in nature returning again to the body of another human being. Yet, examples of the humans-animals exchange of benefits are many and varied. And the Prophet's biography is full of recommendations to preserve the animal environment. It is narrated on the authority of Abu Hurairah, may Allah be pleased with him, that the Prophet, may Allah's prayers and peace be upon him, said: "There is a reward for every one with a moist liver." (Sahih Al-Bukhari, Hadith No. 2160, Book of Watering). The moist liver is a metaphor for every animal, so he encourages us to feed and care for it. Shaddad ibn Aws, may Allah be pleased with him, narrated: The Messenger, may Allah's prayers and peace be upon him, said: (...and let one of you sharpen his blade, let him slaughter his sacrifice) (Sahih Muslim, Hadith No. 3615, Book of Hunting and Slaughter and what may be eaten of animals, the chapter on the command to be proficient in slaughtering and killing, and to sharpen the blade). The aim is to be compassionate with it and to relieve the pain. The Messenger, may Allah's prayers and peace be upon him, forbade the use of birds as a training tool for hunting. It was narrated that Sharid bin sua'id said that he heard the Messenger of Allah say, "Whoever kills a small bird for no reason, it

will beseech Allah on the Day of Resurrection saying: O Lord, so and so killed me for no reason. And he did not kill me for any beneficial purpose." [Sunan An-Nasa'i, Hadith No. 1370, The book of ad-Dahaya (sacrifice), Chapter: The One Who Kills a Small bird For No Reason]. Also, Ibn Mas'ud, May Allah be pleased with him, reported, "We were with the Messenger of Allah, peace be upon him, in a journey when he drew apart (to relieve nature). In his absence, we saw a red bird which had two young ones with it. We caught them and the red mother bird came, beating the earth with its wings. In the meantime, the Prophet, peace be upon him, returned and said, "Who has put this bird to distress on account of its young? Return them to her." He, peace be upon him, also noticed a mound of ants which we had burnt up. He asked, "Who has set fire to this?" We replied: "We have done so." He, peace be upon him, said, "None can chastise with fire except the Rubb of the fire." [Sunan Abu Dawud, Hadith No. 2300, Jihad (Kitab Al-Jihad), Chapter: Regarding the Abhorrence Of Burning The Enemy With Fire]

Humans and animals are creatures of Allah which depend on each other in this life in which it is indispensable part in all man life stages. Therefore, preserving them and dealing with them is a duty in all religions and heavenly laws.

The interdependence of the human body parts

The study of the physiology makes one astounded by the divine greatness. No room is here to deep in that wide science, except that some of its glimpses light the way for us to see that hidden interdependence between the human body and its environment. From a functional and anatomical point of view, the specialized view in shaping the organs of the human body proves undoubtedly that its creator and the creator of the surrounding environment is only one, the most exalted in His Majesty. look at the changes of the body according to the weather (the nostril, the color of the skin, the thickness of the bone...) and the adaptation of its composition to it. The physiological structure of the human being represents many natural and physiological phenomena in living organisms, and each phenomenon in its composition, physiological role, and its interrelationship with other phenomena is constantly consistent with the function of facilitating and protecting life.

Here are some examples:

The Eye:

The eye secretes a salty liquid, tears, to protect its tissues from rotting by germs. Thus, who creates the eye knows what it will face in the surrounding environment. The lens of the eye, which consists of nine layers, receives an image on the retina, the last layer of which contains millions of sticks and cones. All of them are organized in a sequence to be correspond with the function of seeing regarding their relationship with each other and the relation of all of them with the lens. However, the image reflected on it is Inverted, which is a temporary exception.

Because the visual process does not end at this stage, we **don't** feel things while they are inverted. Actually, the image is reorganized in millions of other nerve threads leading to the brain until it takes its normal position. By this, the vision process is completed, and then it is fully compatible. Not accidentally, the vision process does not succeed without the presence of a transparent cornea and lens to allow for the light waves to pass through them. This lens is characterized by the eye's ability to change its size by an involuntary nervous reaction according to the angle of refraction of light that it needs, so the light is focused on the membrane of the retina exactly, otherwise vision becomes impossible. Who created the lens of that eye and prepare it to deal with light waves in space or air based on fixed physical laws? There is no doubt that the creator is fully aware of the different physical laws inside the water (such as the lens of a fish's eye) because the degree of refraction of light in water is not equal to that of air. Therefore, we conclude from that this wonderful system and complete harmony between the body's organs and the environment in which he lives. The lens of Human's eye, for example, it was created for air only, just as his lungs were created for that exclusively.

It is noted that seeing depends on the analysis of light into the colors of the spectrum that constitutes it. This is only done in the air, which performs this task through the particles of the materials that it carries, and thus highlights the direct relationship between the eye's vision of colors and its presence in an airy environment. The known is that the sun appears in space small and white, and it is not as we see it from the earth.

Allah spoken the truth when he said, "By the Sun and his (glorious) splendor; by the Moon as she follows him; by the Day as it shows up (the Sun's) glory." That means during the daytime, the sun appears from earth to us as we see it with its different colors. That's why astronauts see it as a small point illustrating Allah saying, {And [even] if We opened to them a gate from the heaven and they continued therein to ascend. They would say, "Our eyes have only been dazzled. Rather, we are a people affected by magic.} [Al-hajir/14-15]

The Ear:

The ear canal secretes a bitter substance to keep bugs that tend to enter it at bay. The one who creates the ear knows completely that it will be attacked by insects, so be prepared to protect itself. The tympanic membrane is created tightened with a specific and precise strength to be able to vibrate similar to airwaves, not water waves that are coming from the outside. As mentioned in the example of the eye, the physical laws of sound waves are abdicable for the shape and composition of the tympanic membrane; otherwise, it will be unable to do simulation, transferring these waves inside the ear, and analyzing it to be understandable. It is not by coincidence that Allah combines hearing and seeing thousands of times in his Holy Book. An example of the relationship between the human being and the level of frequency of the sound waves is the crying of the infant to attract those around him. The divine nature guided him to focus on the sharp sound waves which alert those around to harry him and silence him in any way, so he gets whatever he wants by force. At this early age, who does teach him that the high frequency not the low transmitted through the air to vibrate the eardrum of the hearing person in a way that disturbed his nerves? Did he study physics or neuroscience, or is it just instinct?

The Nose:

Another example of the sense of smell is its dependence on complex nervous organs inside the nose and fixed at its roof. It has an amazing ability to catch the drizzle or gases that enter by air to decompose it chemically and then sort it according to its kind so that each substance is characterized by a special feeling, which is so-called

the smell. It is popular that the chemical analysis inside nerves of smell is connected directly to volatile substances in the air only regarding their styles and sequence; for example, we can't smell underwater. And so, it is connected to the composition of these substances chemically. O otherwise, it will not be able to analyze it. In conclusion, the one who creates the sense of smell is the same one who made the gas environment that it will work in, not as the saying of some unrighteousness that it is such a coincidence of the endless coincidences of nature.

The lung, heart, and blood circulation:

organs in the human body are prepared only to work normally at the level of the earth's surface. If he wanted to rise highly or go deep, his respiratory and circulatory system would not be able to withstand that, Allah Almighty said: {He makes his breast tight and constricted as though he were climbing into the sky,} [Al-An'am / 125] It is true that he can do that temporarily only by using some devices that help in raising the pressure the atmospheric pressure on his body if it rises in the air or lowering it if he immerses himself in water, in accordance with the Almighty's saying: {O assembly of jinns and men! If you have power to pass beyond the zones of the heavens and the earth, then pass (them)! But you will never be able to pass them, except with authority (from Allah).}[Ar-Rahman / 33] The red blood cells are nothing but a carrier of oxygen from the lung to the cells or of carbon dioxide from the cells to the lung, and they have been prepared only for these functions from the beginning of creation, because the one who created them is Allah Himself who created those gases in the air outside the body. That is why we say: The human body was created for the surface of the earth only, and it only adapts to its various physical laws.

The skeleton:

The bones of the body are prepared to be in their best condition Their cells will be at their maximum vitality if they are under the gravitational pressure at the ground level. The bone cells would have gradually to reproduce lazily and show symptoms of osteoporosis If that pressure had become less. The same happens with astronauts if they stay for a long period in the space and the bones break if the pressure increases

on them above a certain limit. Whoever created the bone in the body had prepared it for the surface of the Earth only and not for any other world, and in a way fit its different physical conditions.

The nervous system:

as an example of complex physiological reactions, look at the sequence of the body reactions in the event of sudden external stimuli in the surrounding environment. The excitation of the skin nerves by burning or pressure leads to sending urgent signals to the sensory centers in the brain through the nerve fibers in order to communicate with the muscular movement centers. The last sends emergency signals to a very specific muscle group to close until the causer goes away from the excited organ in the opposite direction to protect it. Does this complex mechanism indicate the greatness of its Creator, doesn't it?

Respiratory system:

If a foreign body get through the respiratory system through its bronchioles, it will make a coughing reaction; It is not simple nervous reflex that is as it looks to the viewer from afar. The foreign body provokes the nerves lurking in the lining of the air channels, sending an urgent signal to a special center in the brain through its nerve fibers, which responds in turn by sending a quick request to the muscular movement centers in the brain to order the chest muscles By contracting strongly. Simultaneity, other nerves are closing the vocal cords in the larynx. This process is not aimless, but to raises suddenly and severely the air pressure in less than a second, then returns and orders those vocal cords to release quickly so that the air comes out of the lung like a storm bearing with it that foreign body that was the trigger for the reflex reaction, so-called a cough.

Digestive system:

The stomach and the rest of the digestive system have been prepared with enzymes and chemicals specialized in the digestion of various substances to analyze food to the body, some of which specialized for portions, other for fats, others for minerals,

and so on. The Creator of the body has prepared it to eat the available food in the surrounding nature, not any other food. It is the same Creator who has equipped these digestive enzymes to deal with them. Was that a coincidence?! The process of vomiting arises from the entry of a rejected object into the digestive system. Its mechanism is similar to the nervous reactions that were explained above in the respiratory system with some difference in details. The aim is to protect the digestive system from harmful substances coming from outside.

The reproductive system:

The continuation of human life on the earth depends on the relationship between its members, the Almighty said: {And that He (Allah) creates the pairs, male and female, 45 From Nutfah (drops of semen male and female discharges) when it is emitted;} [An-Najm / 45-46], and the Almighty said: {And certainly did We create man from an extract of clay. (12) Then We placed him as a sperm-drop in a firm lodging.} [Mu'amnon / 12-13]. We notice that every marriage never occurs unless it is between a male and a female of the same species in order to carry the same genetic characteristics from generation to generation and keep them. The interdependence of species is governed under the power of Allah by the laws of genes hidden in the nucleus of every cell.

Abu Sa'id al-Khudri, Allah be pleased with him, reported that Allah's Messenger said: "The child does not come from all the liquid (semen)." [Sahih Muslim] It is noted that the Quran described water as gushing, indicating its self-impulse. This is what has been recently proven that the sperm and the ovum automatically until they meet in the fallopian tube. Without self-propelled vitality of it, fertilization would not happen. Sperms secrete the hormone prostaglandin, which makes the uterus shrink to help it on moving towards the fallopian tube; by removing the glycoprotein from it, and other enzymes that reveal the protective membrane surrounding the ovum, the uterus also secretes some enzymes that help make the sperm capable of fertilization. Thus, some mechanisms of interdependence between male and female

are revealed in the human being, which would not have been possible without the fact that it has one creator.

Endocrine system:

It works based on glands spread throughout the body that control many activities from a distance, through their hormonal secretions. The pineal gland is located at the middle of the brain able to produce melatonin hormone, which is effective in influencing the functions of the body, and plays a key role in maintaining its safety. However, if it exceeds a certain amount, it could become harmful. Melatonin is secreted in the absence of light at night, and it is a wonderful creation by Allah in the human body that as soon as his eyes picks up a ray of light, it sends a message to biological clock in his body through his nervous system to stop producing melatonin stops, and the body begins to produce other hormones, such as the daytime hormone known as serotonin. This process is immediately overturned as soon as the sun is gone. Thus, things are clear about the importance of the alternation of day and night, and its effect on the body's uncounted internal reactions, in addition to the hormone (adrenaline) that is secreted by the adrenal gland, which also known as suprarenal glands suprarenal, in case of feeling external danger; it stimulates the body's organs such as the muscles and the heart to fight or flee, as well as other hormones, each with a specific function.

After this description, do you notice how the different parts of the body are interconnected with each other and unite in order to get rid of what attacked or defect infected some of it, don't you? The Noble Messenger, may Allah's prayers and peace be upon him, was true when he said: "he similitude of believers in regard to mutual love, affection, fellow-feeling is that of one body; when any limb of it aches, the whole-body aches, because of sleeplessness and fever." [Bukhari and Muslim]

The relationship between human beings

The Almighty said: {O mankind, indeed We have created you from male and female and made you peoples and tribes that you may know one another. Indeed, the most noble of you in the sight of Allah is the most righteous of you. Indeed, Allah is Knowing and Acquainted.} [Al-Hujurat]. Reflect on the difference in the composition

of the male and female, and how one complements the other in all aspects of life. Each sex has its own organic features from the anatomical point of view, such as the genitals. The process of reproduction is not complete without its completeness. Also note the difference in psychological characteristics between the sexes so that peace and mutual need between them are complementary. Keeping good relationship is an important basis for social cohesion, as Allah Almighty said: {Would you then, if you were given the authority, do mischief in the land, and sever your ties of kinship} [Muhammad / 22]. And the Messenger of Allah said: " The one who severs the ties of kinship will not enter Paradise." [al-Bukhari and Muslim] He emphasize the importance of communication between people to each other, especially relatives, and the Almighty said: {And those of [blood] relationship are more entitled [to inheritance] in the decree of Allah,} [Al-Ahzab/6] 'Aishah, May Allah be pleased with her, reported that Messenger of Allah, peace be upon him, said, "The bond of relationship is suspending from the Throne, and says: 'He who keeps good relations with me, Allah will keep connection with him, but whosoever severs relations with me, Allah will sever connection with him". [Narrated by Muslim] Also, zakat is one of the pillars of Islam that is given to the one near to us before the distant, to indicate the importance of kinship in social communication and cohesion of members of society.

In general, the building of civilizations and the progress of nations undoubtedly would not have been achieved without the cooperation of individuals and groups and the interdependence of human beings with each other. The Islamic Religion has urged to have a community spirit, according to Abu Musa, may Allah be pleased with him The Prophet, peace be upon him, said, "A faithful believer to a faithful believer is like the bricks of a wall, enforcing each other." [Muslim]

Anas, May Allah be pleased with him, reported: The Prophet, peace be upon him said, "No one of you becomes a true believer until he likes for his brother what he likes for himself". [Al-Bukhari] Therefore, communication between the classes of society is one of the foundations of justice in it, and it is a requirement so that the relations between its members are not disturbed. In sake of that was the wisdom of praying in mosques, zakat and Hajj, in which one of its virtues is to bring people together and bring them closer to each other through direct contact.

To unite people with each other will not be straightened except by social justice. The word justice has been repeated in the holy Quran 24 times, such as the Almighty's saying: {And among those We created is a group that guides with the truth and establishes justice accordingly.} [Al-A'raf/181], and His saying: {Indeed, Allah orders justice and good conduct and giving to relatives and forbids immorality and bad conduct and oppression. He admonishes you that perhaps you will be reminded.} [Al-Nahil/90] The word oppression and its derivations is repeated 150 times, and there is no wonder in that for injustice on earth is much more than justice. However, Allah hate abhorrent and warn about it often. One of his most beautiful names is Justice; Allah Almighty said: (And those who have wronged are going to know to

what kind of return they will be returned. [Al-Shuara/277] Ibn Omar, May Allah bless both of them, narrated that the Messenger of Allah, Peace be upon him, said: "for oppression will turn into excessive darkness on the Day of Resurrection." [Al-Bukhari], and he, peace be upon him, said also: "It used to be said that the people with the worst punishment [on the Day of Judgment] will be a tyrannical imam." [At-Tabarani also narrated] The oppression of the sovereign or the country has a negative impact on the society settlement not only a member according to our prophet, may Allah's prayers and peace be upon him, saying: "He who amongst you don't care to Muslims is not one of them" (Al-Bayhaqi in *Shu'ab al-Iman with a weak chain of narrators*), and as he, may God's prayers and peace be upon him, said: "The believer who mixes with people and bears their annoyance with patience will have a greater reward than the believer who does not mix with people and does not put up with their annoyance." [Sunan al-Tirmidhi] This comes with the aim of giving priority to the interest of society over the interest of the individual, whatever the circumstances.

The Holy Qur'an and Organisms

Let's conclude our book with an overview of the features of Interrelationship in the verses of the Holy Quran, Allah's revealed speech. Each of its words or sentences has a spiritual meaning preserved in the hearts or written on its pages. Al-Zurqani describes this strong connection between its verses by his saying: "The Holy Quran from its begging until the end a perfect narrative, accurate form, deep-seated style, effective communication, combined supporting in all of its surahs, verses and sentences, inimitability is in all of the Glorious Quran from A to Z, as if it were one ingot). The miracle in this is being revealed on the heart of the Messenger of Allah, may Allah bless him and grant him peace, over a period of twenty years, yet it is in this form of amazing interconnection. The most amazing of that is the many forms of integration in the totality of his verses. Here, we would like to focus on the number (7) and its multiples, which links Between the Quran, living things, and values. The symbolic link between the Quran and Islamic rituals with other beings is clear in the number (7). For instance, the name of Islam consists of seven letters, the testimony of monotheism (there is no God but Allah, Muhammad is the Messenger of Allah) has seven words, the boy is commanded to pray at the age of seven, and the verses of Surat Al-Fatihah are (7), the Almighty said: "And indeed we has given you seven of the seven of the oft-repeated (verses) and the grand Quran" [Al-Hijr/87], seven surahs begin glorifying & exalting Allah as well as the verb *sabeh*, which mean in Arabic to praise Allah, is repeated seven times, a Muslim during his prayer prostrates on seven members (the face, two hands, two knees and two feet), and it is legitimize to say in the prayer for the two Eids after the takbeer of Ihram seven takbeers.

In Hajj or Umrah, the number of times to circumambulate around the Kaaba is seven times, and also the number of rounds of walk back and forth between Safa and Marwa is seven, and also, we throw seven Jamarat each time. On the other hand, by inanimate nature, we find that every atom of this universe is made up of seven electronic shells, one on top of the other. This law is fixed in the entire universe,

testifying to the oneness of the Creator, the Exalted. Allah created seven heavens and the earth consists of seven layers of land as mentioned in the Holy Quran: "It is Allah who has created seven heavens and of the earth, the like of them. [His] command descends among them so you may know that Allah is over all things competent and that Allah has encompassed all things in knowledge." [Talaq-12] The moon has seven visible phases, except for the new moon, and also the sun's rays consist of seven colors, which are the colors of the spectrum. The number of days of the week, the number of musical notes, and the number of colors of the visible light spectrum is seven.

Regarding the living things, Human beings were created in seven stages, according to the Almighty's saying: "And indeed, We created humankind from an extract of clay, (12) then then placed each human as a sperm-drop in a secure place, (13) then We developed the drop into a clinging clot of blood, then developed the clot into a lump of flesh, then developed the lump into bones, then clothed the bones with flesh, then We brought it into being as a new creation. So Blessed is Allah, the Best of Creators." [Al-Mu'minun / 12-14]. The human being has seven senses, which are the sense of sight, hearing, touch, taste, smell, time and space perception. Human being has seven neck vertebrae like most of the creatures in the animal kingdom, such as the giraffe, whale, bat and hedgehog. Thus, coincidence is impossible in the aforementioned interrelationships. On the other hand, we find multiples of (7) in the number of letters of the Arabic language of which the Quran was written in (28 letters), half of which are dotted and half are not dotted. The symbolic letters, Huroof-Al-Muqattaat, that some surahs opens with, such as Alif, Lam, Mim. and kaf, Ha, Ya, 'Ayn, Sad., are made up of 14 letters. The total number of Joint hands is 14 as well as the vertebral column which comprises of twenty-eight vertebrae, 14 vertebrae above the disc and 14 below. The same number is within the number of primary feathers in the wings of birds, and the number of vertebrae in mammals such as the cow, camel, lion and donkey... etc. Also, the mansions of the moon are divided into 28 places, 14 of which are called the northern signs and 14 of them are called the southern signs. Al-Zurqani declares this phenomenon by saying: (It is as if Allah Almighty says: The moon's phases are twenty-eight, and they are two parts, and each of the marked and unmarked letters is fourteen, so be aware that this Quran is revealed by me because I organize it from letters based on the style that I chose in building phases of the moon and the human and animal body). Thus, the foregoing clearly highlights the symbolic interconnection between the living and the inanimate and the Great Quran, indicating that the revealer of the Qur'an and the religion of Islam and the Creator of all other beings are one and the same. There is no Allah but He, Glory be to Him.

Praise be to Allah, Lord of the Worlds, and prayers and peace be upon our Prophet, Muhammad, the most honorable of the Messengers.

