

SOCIAL UNIT 1 STUDY SHEET

- THE UNIVERSE IS HUGE. THERE ARE A LOT OF GALAXIES.
- GALAXIES ARE A COLLECTION OF GAS, DUST, PLANETS AND STARS.
- THE EARTH IS THE PLANET WE LIVE IN, IN A GALAXY CALLED **THE MILKY WAY**. IT'S SPIRAL SHAPED.
- EARTH IS PART OF **THE SOLAR SYSTEM** WITH OTHER SEVEN PLANETS: MERCURY, VENUS, MARS, JUPITER, SATURN, URANUS, AND NEPTUNE. OUR STAR IS THE SUN AND OUR NATURAL SATELLITE THE MOON.
- THE EARTH IS THE **ONLY PLANET WITH LIFE** BECAUSE IT HAS A PERFECT TEMPERATURE, LIQUID WATER AND THE CHEMICALS WE NEED TO SURVIVE. THE ATMOSPHERE IS A LAYER THAT PROTECT US FROM HARMFUL GASSES.
- EARTH HAS TWO MOVEMENTS:
 - **ROTATION**, THE MOVEMENT OF THE EARTH AROUND ITS OWN AXIS. THIS CAUSES DAY AND NIGHT AND TAKES 24H.
 - **REVOLUTION**, THE MOVEMENT OF THE EARTH AROUND THE SUN. IT CAUSES THE 4 SEASONS. IT TAKES 365 DAYS AND 6 HOURS. THAT'S WAY EVERY 4 YEARS WE HAVE UN DAY MORE IN FEBRUARY. IT'S A **LEAP YEAR**.
- SOME COUNTRIES **NEAR THE EQUATOR** DO NOT HAVE FOUR SEASON, JUST TWO, **THE WET AND THE DRY SEASON**.
- THE SUN DOESN'T MOVE, IT'S THE EARTH
- **THE MOON** IS OUR NATURAL SATELLITE. IT SPINS AROUND THE EARTH. IT HAS **DIFFERENT PHASES** AND CAUSES THE SEA LEVELS TO RISE. THESE ARE CALLED **TIDES**.
- THE MOON **DOES NOT PRODUCE ITS OWN LIGHT**, IT REFLECTS THE SUN'S LIGHT AND AS IT MOVES ALONG WITH THE EARTH, THE REFLECTION IS DIFFERENT. IT TAKES AROUND 29 DAYS TO COMPLETE ONE ORBIT.
- **NATURAL HAZARDS** ARE NATURAL PROCESSES SOMETIMES HARMFUL FOR LIFE SUCH AS VOLCANOES AND EARTHQUAKES, TSUNANIES OR CYCLONES.
- WHEN THEY CAUSE A LOT OF DAMAGE WE CALL THEM **NATURAL DISASTERS**.
- **VOLCANOES** ARE PRODUCED WHEN THERE IS **A LOT OF TEMPERATURE** UNDER THE GROUND. THIS HEAT MELTS THE ROCK AND FORMS MAGMA. AS IT ACCUMULATES IT PRESSURES FORMING LAVA, ASHES AND GASSES UNTIL THE ROCKS UNDERNEATH EXPLODES THROUGH THE SURFACE
- SOME PARTS ARE: VENT, LAVA, CONE AND MAGMA CHAMBER.

- **EARTHQUAKES** ARE PRODUCED WHEN THE EARTH'S SURFACE SHAKES. THIS SURFACE HAS TECTONIC PLATES THAT MOVE SLOWLY. WHEN THEY COLLIDE AN EARTHQUAKE HAPPENS.
- WHEN A VOLCANIC ERUPTION OR AND EARTHQUAKE ARE PRODUCED IN THE OCEANS WE CALL THIS **TSUNAMI** OR VERY BIG WAVES.