Biology		Date	Hour
Biodiversity in Ecology			
• Ecology: The study of between	ween	and their	<u> </u>
Biodiversity: of life in a			
Three Factors contribute to global biodiversity			
1 diversity 2	diversity 3.		diversity
What contributes to biodiversity?	W W	Park Awy wy	Park B
1. Species Diversity: The of			
Species Richness:		उ त्ते तं	
Species Evenness:			ecies richness?ecies evenness?
	Which of the	parks has greater bid	odiversity?
2. Genetic Diversity : The of	<u> </u>	that can be	by
offspring in a population.		Sun Insolat	ion
3. Ecosystem Diversity : The interaction of		***************************************	
factors which support	of	ABIOTIC COMPONENTS	BIOTIC COMPONENTS
		Navas	Producers — plants — Consumers
Biotic Factors: All	organisms	Nutrients	Heat Heat
inhabiting the earth (biosphere).		Cycles — gases	
Abiotic Factors: parts of the par	ne environment.	— minerals	Decomposers Fungi Bacteria:
O Examples: temperature, soil, light, moisture, air currents, min	erals, rocks		Bacteria
Importance of Biodiversity		Heat energy released at each stage	
Ecological: and supports		a to the desired and the desired as a second as a seco	
 Examples: Photosynthesis, water purification 			
Aesthetic:			
Examples: forests are beautiful. People go hiking to enjoy the stunn			
Economic: are Examples: Medicines, shelter, oxygen, fertile soil	110111		

Name _____

Threats to Biodiversity

Biodiversity Notes



		I long-term impact on the earth (bios when the last membe		
		when the last membe and likely to go		
Ciluangered species	s - Numbers are	and likely to go	,	
Background Extinction	:	gradual enough for the		_ to
	the changes.			
	extinction = 1 species per mi			
Mass Extinction: Even	t where a		_ of species are	
a relatively short amou	int of time.			
 "Past mass extinctions were erupting or an asteroid hitti Invasive (Exotic/Introd 	ing Earth." (www.nhm.ac.uk	ature changes, rising or falling sea le ;)	vels and catastrophic, one	e-off events like a huge volcand
o that are		to a community		
o grow	v exponentially and _		native organism	ıs
○ Can lead to	of	f native organisms		
Biosphere: The life su	upporting portions			
Biosphere: The life su	upporting portions	- /		
Biosphere: The life su	upporting portions , ,and	- /		
Biosphere: The life succomposed of	upporting portions,,androrganization.	- /		
Biosphere: The life succomposed of The highest/largest level of The biosphere is composed	upporting portions,,androrganization.	- /		
Biosphere: The life succomposed of The highest/largest level of The biosphere is composed Ecosystem: All	upporting portions,,and forganization. of many Biomes and	\		
Biosphere: The life succomposed of The highest/largest level of The biosphere is composed Ecosystem: All components interaction Biotic	upporting portions ,, and forganization. of many Biomes and ing with	n ecosystem.		
Biosphere: The life succomposed of The highest/largest level of The biosphere is composed Ecosystem: All components interaction Biotic - Examples: bacteria, in Abiotic -	upporting portions, and, and forganization. of many Biomes and ing with organisms in artigers, paramecium, sunflow	n ecosystem.		
Biosphere: The life succomposed of The highest/largest level of The biosphere is composed Ecosystem: All components interaction Biotic Examples: bacteria, is Examples: rocks, soil	upporting portions,, and, and forganization. of many Biomes and ing with organisms in artigers, paramecium, sunflow elements of all, water, sunlight, weather	n ecosystem.		_ and are
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Biosphere: The life succomposed of The highest/largest level of The biosphere is composed Ecosystem: All components interaction Biotic Examples: bacteria, in Abiotic Examples: rocks, soil. Community: Interaction AKA all biotic components in	upporting portions, and, and forganization. of many Biomes and ing with organisms in artigers, paramecium, sunflow elements of a l, water, sunlight, weather ing in an ecosystem	n ecosystem. n ecosystem that inhabit a	ill in the pyramid above w	vith the diff. levels of organizat
Biosphere: The life succomposed of The highest/largest level of The biosphere is composed Ecosystem: All components interaction Biotic Examples: bacteria, in Abiotic Examples: rocks, soil Community: Interaction AKA all biotic components in Population: A group	upporting portions	n ecosystem. on ecosystem that inhabit a	ill in the pyramid above w	vith the diff. levels of organizat
The highest/largest level of The biosphere is composed Ecosystem: All components interaction Biotic - Examples: bacteria, to Abiotic - Examples: rocks, soil Community: Interact AKA all biotic components in Population: A group with the ability to	upporting portions,,,, and, and and ing with and ing with organisms in artigers, paramecium, sunflow elements of a l, water, sunlight, weather ing in an ecosystem of individual organ	n ecosystem. on ecosystem that inhabit a	ill in the pyramid above w	vith the diff. levels of organiza