Unit 9 Ecology Review

Name: 🗲	Answer Key	_ Date:	Test #:	
1. Define the following terms:				
	a. Ecology: Study of the interaction of living organisms			
			nysical environment	
			DIFFERENT SPECIES	
	living together ir			
c.	Habitat: Specific Dhys	ical location ir	which a given	
	species lives			
d.	d. Density-independent: reduce the population regardless			
	population's size			
	i. Examples: Weather	floods, fires		
e.	Density-dependent: Populat		nes the effect the	
	factor has on the population			
		nabitat shortage		
f.		1	n share the same	
			by competition	
g.	Succession: Series of ec			
	community under			
h.			tes by communities	
	of organisms; tak	lava cools aloci	ers retreat, landslides	
oil >:				
ready				
plished	i Frample: Farmer 1	IDINING Land fir	e levels forest	
į.	Limiting Factor: <u>A Factor</u>	that restrains	the arouth	
J.	of a population	THE POSTALLA	The growing	
k.	Logistic Growth: population	on arowth slows	down or stops due	
	to the effect of a	limiting factor		
1.	Exponential Growth: LANDIM		+ occurs when	
	There is no limit	, ,	2 size	
m.	Carrying Capacity: maximu	im number of	ndividuals of a	
	Species that an	ecosystem is co	pable of supporting	
n.	Competition: When orgo	inisms compete i	with each other	
	for available res	ources		
0.	Extinction: when a species disappears from Earth			
	i. How do humans impact extinction rates? Habitat destruction,			
	J.	rvasive species		
p.	Producer: an organis		s its own food	
	through photosynt			
q.	9	nat eats plants		
r.	Carnivore: <u>Organism</u> - Omnivore: <u>Organism</u> +	that eats animo		
S.	(Be able to identify example		plants & animals	
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2.	What are the parts of an ecosystem? <u>Organisms</u> , <u>energy</u> , <u>soil</u> , <u>water</u> , <u>weather</u>			
3.				
	much energy is used or lost as heat?			
4.	In a pyramid of energy, how many organisms does the next higher feeding level have?!			
5.	. What is a trophic level? <u>Each</u> level in a food chain			
	a. Which trophic level are the following organisms found in?			
	i. Producers: 1st trophic level only			
	ii. Herbivores: 2nd trophic level			
	iii. Carnivores/Omnivores: remaining trophic levels			
6.	What happens to the population size when individuals produce more than one offspring? MCrease			
7.	Where is human population growth most rapid in the world? Developing countries			
8.	What is symbiosis: Between DIFFFRENT species where they live			
	in close association with another kind of organism			
9.	9. What are the three types of symbiosis? Be able to recognize an example of each.			
	a. Mutualism: Both organisms benefit			
	b. Commensalism: One organism benefits, while the other			
	is neither harmed nor helped			
	c. Parasitism: One organism benefits other is harmed			
	in some way			
10. What type of plant will be found in the early stages of primary succession? Rock lichens				
11.	How do humans benefit from biodiversity? Food, Timber, Medicines			
12. What happens to a food chain when you remove one of the organisms? (How will it affect the organisms				
it feeds on and the organisms that feed on it?) Organisms above it will become				
hungry, organisms will over produce and flourish				
and idecrease (increase)				
Be able to read and interpret various line graphs.				