Name:	Date:	Period:					
	Ecology Test Revie	ew Sheet					
Use this	s as a guide! Do not rely sol	lely on this Review Sheet					
	List the 6 levels of organization in an ecological system, from most specific to broadest:						
(biome, community, ec	osystem, organism, population						
In the second fundament		of the same to the state of the same to be a sufficient of the same to be sam					
2. List the following as B	Biotic or Abiotic:	Continue to the State of the St					
 a. Living parts of an envi 		b. Nonliving parts of an environment					
c. Fish	d. Climate.	e. Water					
3. Identify the following	as: Density Independent Density Dependent L	t Limiting Factor OR Limiting Factor					
a. Parasitism	b. Disease	C. Hurricanes					
d. Not related to	the number of organisms in c	a certain area					
4. Use the 2 graphs belo	w to answer questions (a-c).	tage one manner i bevomen et setangs sielt 11					
200 3500	A 800 700 -	B 1					
30000	- 600 - - 92 500 -	/ 2					
≥ 25000 ਔ § 20000	P 900 - 900						
हु है 15000	/ a 200 -						
10000	0	5 10 20 30 40 50 60 70 80 90 100					
5000		_ Time _					
0 2	4 6 8 10 Generation	Population Republic Population					
		Herbivaria are totad a willow to all					
a. Which graph r	epresents an S-Curve/Logistic	c Growth?					

- b. Which graph represents our current human population growth? _____
- c. On graph B, which number represents carrying capacity?
- 5. Place the following in the correct order from the beginning:

 (bare soil, forest, pine trees, weeds)

Does this represent primary or secondary succession? Why?

6. Put the vocabulary word with its definition or description (each word used once):

Ecosystem	Immigration	Population Density	Abiotic
Succession	Secondary Succession	Population	Deforestation
Pioneer Species	Pollutant	Global Warming	Keystone species
Limiting Factor	Symbiosis	Biotic	

a. This makes up all of the communities and non-living parts of the environment.

	b.	The natural, gradual changes in the types of species that live in an area.					
c. The first organisms (lichens and mosses) that grow in an area that lacks soil							
	d. This type of succession would occur after a forest fire.						
	e. The loss of forests that causes erosion to the land.						
	f.	The increase in average temperature of the atmosphere.					
	g.	Harmful materials that can enter the air, land, and water.					
	b.	The number of individuals in a defined area.					
	i.	A group of organisms of the same species living in a certain area.					
	ј.	The movement of a single animal into a herd is an example of					
	J. k.	Living matter within an ecosystem.					
	l.	Nonliving matter within an ecosystem.					
	T. I						
	Competitive that traces a penulation from arraying out of control						
	n.	If this species is removed from an ecosystem, some food chains will completely fall					
	0.	apart					
		apar i					
	7.	On the pyramid to the right, fill in all the trophic levels and then answer					
		the following questions.					
	a.	10% of the original plant energy is found at this level.					
	Ь.	The least amount of original plant energy is found					
		at this level.					
	c.	Herbivores are found at which level?					
	d.	The least amount of biomass is found at this level.					
DI	REC	TIONS: Circle the word that best fits the statement:					
	8.	Energy is (cycled / lost), matter is (cycled / lost).					
	9.	Carbon dioxide is used during the process of (cellular respiration / photosynthesis) by					
		producers.					
	10	. Fossil fuels such as oil and coal are made from highly condensed (carbon / oxygen) in the soil.					
		Due to the fact that the natural phosphorous cycle is so (fast / slow), humans often resort to					

mining phosphorous from the ground for use in agriculture to quickly get larger crops.

14. Deforestation (increases / decreases) the CO_2 in the atmosphere.

increase) in the ozone layer.

12. (Volcanic eruption / Fire / Changing seasons) will most likely cause secondary succession.

13. Humans have been exposed in increasing amounts of Ultra Violet (UV) radiation due to (decrease /

15.	A (cli	max communit	y / population)) is a mature stable group of plants and animals.
	followi	ng environmen	ital changes?	on dioxide in the atmosphere are likely to cause which of th
	a.	Higher sea le	evels	c. An ice age
	b.	Speciation	their payors are	d. Decreased plant growth
irectio	ons: A	nswer the fol	lowing questions	s or complete the statement.
	other	water sources	. Eventually the	ates can cause an overgrowth of algae blooms in lakes and lakes will be depleted of their oxygen source and cause m. This process is called
18.	What	is the plant's r	role in the carbo	n cycle?
19.	Which	of the proces	ses in the water	r cycle return water vapor to the atmosphere?
20.	What i	is the source (of phosphorous i	in the ecosystems?
21.	What	converts atmo	spheric nitroger	n into a usable form for plants?
22.	Explaii	n the relations		tualism, parasitism, and commensalism.
23.	What		nce between par	rasitism and predator prey relationships.
24.	Draw (nd explain each c	organisms role.
25	Docen	ihe the niche (of an organism.	