Name:	Period:	Date:
	Ecology Notes	
Directions: Use your textbook	, pages 480-511, to complete the	e "Cloze" notes below.
<u>Levels of Orgo</u>	anization of the Earth – Everythin	g is Connected
Section 1: Pages 480-483		
Ecology is the study of the	of	with one
another and the		
	BIOSPHERE	
The part of Earth where	exists. It includes the	e parts
of the to	in the atmos	sphere. It includes both biotic
and	parts of the environment.	
	ECOSYSTEMS	
All the	_ and	parts of the environment
and how they	to each other.	
	COMMUNITIES	
All the populations of	in an ecosys	tem.
	POPULATION	
All the organisms of one	in a parti	icular ecosystem.
The same kind of	SPECIES (page 166-167)so much ali	ke that they can
	with each other and produc	
	have a particular	
	ABIOTIC FACTORS	

List FOUR important **abiotic** parts of the environment:

Section 2: Living Things Need Energy: (pages 484-489)

ENERGY

1. The ENERGY that fuels all the activities on	Earth come	es from the	·
2. Organisms are divided into groups depen	nding on ho	w they get	·
Organisms that can make their own food ar	re called		They can
make food using the process called			energy from the
sun), or by using		(energy from chemi	cals.) All other
organisms must get their food by eating a _		or another _	
These are called	T	nere are 3 kinds: if a	n organism only
eats plants it is a			
animals, and an			
3. Other important members of an ecosystem	em are		What is
the job of these organisms?			
5. What is a food web?			
6. Which is more like what actually happens	s in an ecosy	vstem, a food chain	or a food web?
7. What is an energy pyramid?			
8. How was the balance in the ecosystem o	disrupted by	the disappearance	of the gray wolf?

1.	Everything in an ecosystem affects		
2.	are any resources that are in limited		
	supply and can limit the size of a population. What are some limiting factors in an ecosystem?		
3.	What is carrying capacity?		
4.	What happens to organisms in an ecosystem when they exceed the carrying capacity for that area?		
Com	petition:		
5.	Populations in an area are affected by for limited		
	resources, water,,,		
	and must be shared and can limit the size of certain		
	populations.		
6.	Competition can be populations or		
	populations.		
Predo	ators and Prey:		
7.	Animals are always looking for food and resources. A is an		
	animal that hunts another for food. An example is a The		
	is the animal being hunted. Predators help to limit the size of		
	populations and keep ecosystems in balance.		
8.	Predators and prey have adaptations to allow them to survive. Explain the following		
	adaptations and give an example of each:		
ADAF	<u>PTATION</u> <u>EXAMPLE</u>		
Warn	ning coloration		
Cam	ouflage		
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Types of Interactions (pages 490-496)

Defensive chemicals

FOOD/ENERGY PYRAMID

Draw a Food/Energy Pyramid:

Food =	, some	. S	ome
	of energy is carried to ne		
	at each level o		
numbers of		needed at b	ottom to support even
a	nimal at the top! Most energy	and mass is at the _	level.
Loss of any level	has a	effect on	the other levels.
	FOOD) WEB	
Food webs are n	nuch more	than f	ood
and the loss of o	ne organism in a food	h	nas
effect on the res	t of the ecosystem.		