STATION 1 DEFINITIONS

Matching: Match the descriptor with the BEST term

Definition	Term		
 1. Living things that break down dead organic	a. Energy pyramid		
material to get the energy they need.			
^	b. Producer		
<u>C</u> 2. A model that describes how food energy is			
passed from one living thing to another in an	c. Food web		
ecosystem.			
A	d. Primary consumer		
A 3. A model that shows the amount of energy			
available in each level of a food chain.	e. Greenhouse gas		
4. Process that absorbs the outgoing solar energy	f. Greenhouse effect		
in Earth's atmosphere	. D		
E 5 Cours that allow the allow second in Farth?	g. Decomposer		
5. Gases that absorb solar energy in Earth's	1 Diama di Giantian		
atmosphere	n. Biomagnification		

Sentence Completion: Complete the following sentence with the BEST term.

Biomagn fiants in the increase in concentration of pollutants in tissues of organisms that are at successively higher levels in a food chain or food web.

The process by which pollutants collect in the cells and tissues of organisms is known as $\underline{bisaccunutation}$.

The term <u>Climate Change</u> is used to describe a long-term change in Earth's climate.

The term <u>globel warming</u> is used to describe when there is an increase in the average temperature of Earth's surface.

Word Bank:

abiotic, biotic, food web, point-source pollution, non-point source pollution, global warming, global climate change, carbon cycle, nitrogen cycle, phosphorus cycle, water cycle, biomagnification, bioaccumulation, geosphere, biosphere, atmosphere, hydrosphere, transpiration

STATION 2 BIOTIC AND ABIOTIC

1. In the following diagram, find 3 abiotic and 3 biotic factors in the ecosystem:



Abiotic	Biotic	Biotic	
Sun	Tadpoles	fish	
Water	Flies	Snail	
Soil	Water weeds	frog	

- 2. How are limiting factors related to carrying capacity? Limiting factors after prevent a population from reaching its carrying capacity
- 3. Draw a line in the graph to represent the carrying capacity.



- a. What is the carrying capacity in this population of beetles?
- b. If the population continues to exceed the carrying capacity, what may happen over time? The carrying capacity may degrade over time. Resources will get used up and the population and carrying capacity will decrease.

STATION 3 FOOD CHAIN AND FOOD WEBS



<u>STATION 4</u> WIND AND OCEAN CURRENTS





What major things does the **Great Ocean Conveyer Belt** transport around the Earth?

- thermal energy
- nutrients
- deep water



STATION 5 WATER AND CARBON CYCLE

STATION 6 NITROGEN AND PHOSPHORUS CYCLE

Label the following water cycle:



Label the following carbon cycle:



Label the following nitrogen cycle:



Label the following phosphorus cycle:

