



## **Ecology: Practice Activity**

**Directions:** Answer the following questions to test your knowledge on ecology.

1. What is a habitat?
2. What is the difference between a habitat and a niche?
3. How many levels of organization are there?
4. What organism group is also called a producer?
5. In what type of symbiosis do both organisms involved benefit?
6. How many ecological pyramids are there and what do they represent?
7. What is energy lost as in the pyramid of energy?
8. What is biomass measured in?
9. As you move up the pyramid of numbers, what happens to the population?
10. What is an example of primary succession?
11. What is a climax community?
12. What is another name for the water cycle?
13. What are two processes that cycle carbon?
14. How much of the Earth's atmosphere is made up of nitrogen?
15. What shaped curve is made by logistic growth?
16. What is an example of a density independent factor?



17. What would happen if the Earth didn't have keystone species?
18. What is harmed during eutrophication?
19. What is an example of a biomagnification chemical?
20. What mostly causes global warming?



### **Sample Answers**

1. Place a plant or animal lives
2. A habitat is where an organism lives, a niche is the organism's way of life
3. Five
4. Autotroph
5. Mutualism
6. Three; trophic levels
7. Heat
8. Kilograms
9. It decreases
10. Volcanoes
11. Stable group of plants and animals that is the end result of the succession process
12. Hydrological cycle
13. Cellular respiration and photosynthesis
14. 78%
15. S shaped
16. Temperature
17. The ecosystem would be very different or it wouldn't exist
18. Plants and algae
19. DDT
20. Greenhouse gases