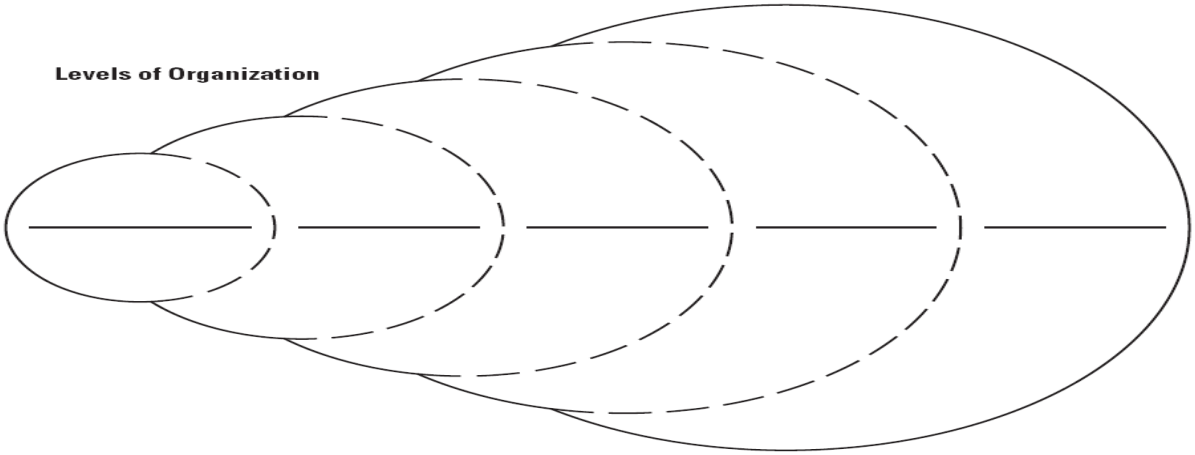
#_____ Name_____ Date_____

Science Quiz #3: Ecology

Write a description of each level of organization in the table. Also, provide an example for each level.

Level	Description	Example
1. Organism		
2. Population		
3. Community		
4. Ecosystem		
5. Biosphere		

Fill in the diagram below with the Levels of Organization. **Use the terms from the table above.**



Complete the following sentences with the correct term from the list below

autotrophs	eating	nonliving	abiotic	living	temperature	producers
moisture	plants	animals	biotic	consumers	heterotrophs	nonliving

6. All ecosystems are made up of _____ and _____components.

7. _____ factors are living things, such as _____or _____.

8. _____ factors are nonliving things, such as wind, _____or _____.

9. _____are organisms that get their energy from _____ resources, meaning they make their own food. These organisms are also called _____.

10. _____ are organisms that get their energy by _____ other organisms. These organisms are also called _____.

11. Why are producers so important to an ecosystem?

KEY CONCEPT: Food chains and food webs model the flow of energy in an ecosystem.
Choose the correct term from the box below to fit each description.

carnivore	herbivore	secondary consumer	decomposer	detritivore
omnivore	primary consumer	tertiary consumer	trophic levels	

12. I eat only plants. I am a(n) _____.

13. I eat only other animals. I am a(n) _____.

14. I eat both plants and animals. I am a(n) _____.

15. I eat dead organic matter. I am a(n) _____ .

16. I break down organic matter into simpler compounds. I am a(n) _____.

17. I am the first consumer above the producer level. I am a(n) _____.

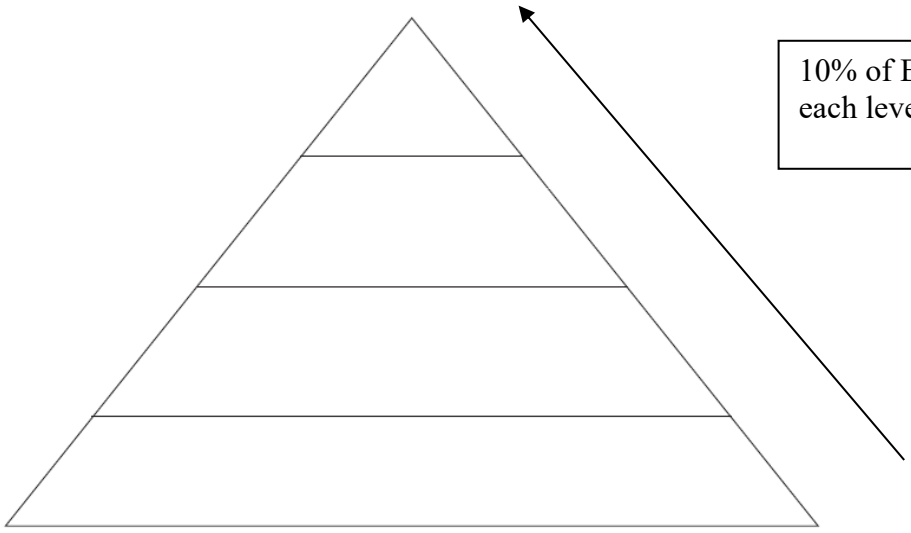
18. I am a carnivore that eats herbivores. I am a(n) _____.

19. I am a carnivore that eats other carnivores. I am a(n) _____.

20. The levels of nourishment in a food chain are called _____.

21. How is a food web different from a food chain?

22. Label the four tiers of the energy pyramid with the correct trophic level **(producers, primary consumers, secondary consumers, and tertiary consumers)**.



10% of Energy is lost at each level.