

Name _____
Date _____ Per _____

Ecology Unit Test

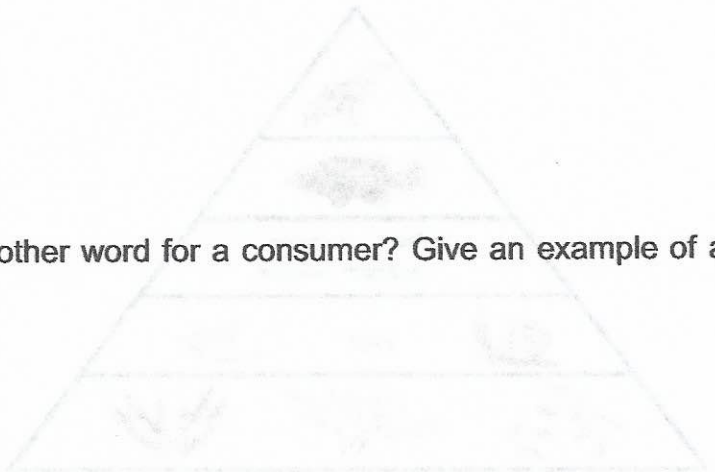
For the following questions, please write the letter for the correct definition. Each letter will only be used once. (2 points each)

- | | |
|--------------------|---|
| 1. ___ Ecology | A. The surroundings where an organism lives. |
| 2. ___ Ecosystem | B. A group of similar organisms. |
| 3. ___ Habitat | C. A community where living and non living things interact in an environment. |
| 4. ___ Species | D. A group of individuals of the same species living in the same area |
| 5. ___ Population | E. The environment where an organism lives. |
| 6. ___ Environment | F. The study of the environment. |

For the following questions, please answer the questions in complete sentences.

7. What is a producer? What is another word for producer? Give an example of a producer. (5 points).

8. What is a consumer? What is another word for a consumer? Give an example of a consumer. (5 points).

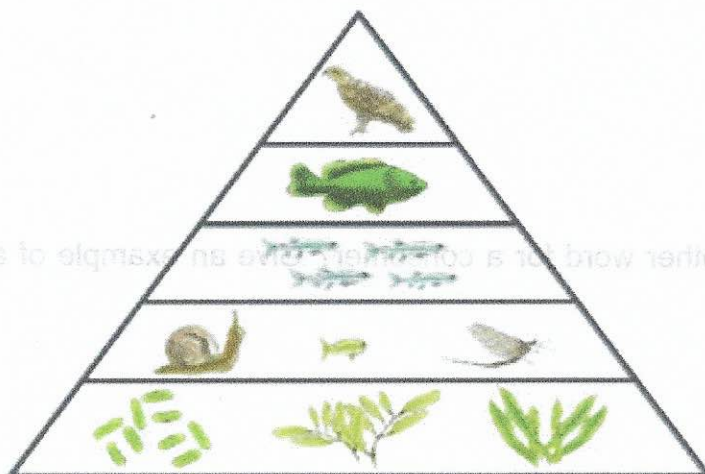


9. Explain the difference between an abiotic and biotic factor. Give an example of each. (5 points).

10. Tell me the 4 types of consumers and what they eat. (5 points).

11. Explain the difference between a food chain and a food web. (3 points)

12. How much energy does a creature get after it eats? Where does the rest of the energy go? Please be specific. (3 points).



13. What is the picture above? What information does this picture show you? (3 points).

14. Food chains aren't usually longer than how many organisms? Why aren't they usually longer than this? Explain. (3 points)

15. If you are an organism and your environment changes, what are your 4 options? (4 points).

16. The seven steps of the water cycle are: Evaporation, _____, condensation, _____, runoff, _____ and absorption. (3 points).

17. Explain the water cycle in each step. (7 points).

18. For the following 4 organisms: please describe how each play important roles in an environment (What do they do, what would happen if they were not there). Decomposer, Detrivore, Pollinator and Seed Disperser. Please use complete sentences. (5 points)

For the following vocab words, please include the definition, whether they are (+ - =) relationships and give an example of each one. (3 points each).

19. Commensalism –

20. Mutualism –

21. Parasitism –

Give the definition of the following words. (2 points each).

22. Biome –

23. Niche –

24. Carrying Capacity –

25. Pioneer Species-

26. Please draw a food chain and label all your parts (producers, consumers). Bonus points can be given for any additional factors not listed. (5 points).

Extra credit: Name all 8 Biomes (1 point for 5 biomes, 2 points for 6 biomes, 3 points for 7 biomes, 4 points for all 8 biomes).