Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Ecology Reading Guide

Use pages 17-30 in your text to help you.

1. What is ecology?
2. What are abiotic factors?
3. Give 2 examples.
4. What are biotic factors?
5. Give 2 examples.
6. What is a species?
7. Give an example of a species name.
8. What is a population?
9. What is a community?
10. What is an ecosystem?
11. What is a niche?
12. What is the biosphere?
13. What are food chains and food webs?
14. What is the difference between a food chain and a food web?
15. What is a producer?
16. Give an example.
17. What is a consumer?
18. Give an example.
19. What is a decomposer?
20. Give an example.
21. What is an energy pyramid?
22. What percent of energy is passed down to each level of the energy pyramid?
23. What is a trophic level?
24. Organisms must balance the amount of \_\_\_\_\_\_\_\_\_ they use to get food with the amount of

Energy they \_\_\_\_\_\_\_\_\_ from the food.

1. If the spider uses 100 kcal to build his web, and each insect caught gives him an average of

20 kcal, how many insects does he need to catch before it’s worth it to build the web?

1. Why do animals hibernate?