Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 5 Energy and Ecosystems**

**Study Guide**

***When preparing for the Chapter 5 test, make sure you study….***

* *Science Packets from Lesson 1 and Lesson 2 (including all diagrams)*
* *Chapter 5 Vocabulary:*
  + *transpiration*
  + *photosynthesis*
  + *chlorophyll*
  + *producer*
  + *consumer*
  + *ecosystem*
  + *herbivore*
  + *carnivore*
  + *food chain*
  + *decomposer*
  + *food web*
  + *energy pyramid*
* *This study guide*

1. Label the following food chain with the terms below. *You may not have to use all of the terms. You may use terms more than once.*

|  |
| --- |
| Producer 1st Level Consumer 2nd Level Consumer 3rd Level Consumer 4th Level Consumer 5th Level Consumer Decomposer Carnivore Herbivore Omnivore |

Earthworm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Wolf \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fox \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rabbit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grass \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Describe the flow of energy in the food chain above.

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1. What would happen if all of the foxes disappeared from this food chain?

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1. What is the difference between a producer and a consumer?

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1. What are the four main structures of a plant? Give one function of each structure.

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1. What are the three elements necessary for photosynthesis to occur? What are the two products of photosynthesis?

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