



Food Webs and Energy

Name: _____

Date: _____

Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. In an ocean food web, tiny floating plants called _____ are the main producers.
2. A hawk that eats a snake that ate a mouse is a _____ consumer.
3. Trees, grasses, and shrubs are all _____ in a forest food web.
4. Small fish that eat zooplankton are _____ consumers in an ocean food web.
5. Energy is lost as _____ when organisms use it for movement and body heat.
6. A _____ is an organism that eats both producers and other consumers.
7. Bacteria on the ocean floor act as _____ by breaking down dead organisms.
8. The transfer of energy from one organism to another is called energy _____.
9. Owls, foxes, and wolves are examples of _____ in a forest ecosystem.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each organism to its role in a food web.

| | | |
|-------------|---------|--------------------|
| oak tree | → _____ | secondary consumer |
| caterpillar | → _____ | decomposer |
| owl | → _____ | producer |
| mushroom | → _____ | primary consumer |

Answer Key • Food Webs and Energy • Grade: Grade 4

Part A: Fill in the Blank

Write the missing word or number on each line.

1. In an ocean food web, tiny floating plants called phytoplankton are the main producers.
2. A hawk that eats a snake that ate a mouse is a tertiary consumer.
3. Trees, grasses, and shrubs are all producers in a forest food web.
4. Small fish that eat zooplankton are secondary consumers in an ocean food web.
5. Energy is lost as heat when organisms use it for movement and body heat.
6. A omnivore is an organism that eats both producers and other consumers.
7. Bacteria on the ocean floor act as decomposers by breaking down dead organisms.
8. The transfer of energy from one organism to another is called energy flow.
9. Owls, foxes, and wolves are examples of predators in a forest ecosystem.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each organism to its role in a food web.

| | | |
|-------------|-----------------------------|--------------------|
| oak tree | → <u>producer</u> | secondary consumer |
| caterpillar | → <u>primary consumer</u> | decomposer |
| owl | → <u>secondary consumer</u> | producer |
| mushroom | → <u>decomposer</u> | primary consumer |