



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. A _____ species is one that is not native to an ecosystem and can disrupt food webs.
2. When prey populations decrease, predator populations usually _____ too.
3. An energy pyramid is widest at the _____ because producers hold the most energy.
4. Vultures are _____ because they feed on animals that have already died.
5. A food web with many species is more _____ than one with only a few species.
6. Organisms at the same feeding level in an energy pyramid share a _____ level.
7. If all the plants in a grassland died, the _____ would be the first consumers to lose food.
8. Nutrients are recycled in an ecosystem, but _____ flows in only one direction.
9. Tiny animals called _____ eat phytoplankton and are primary consumers in the ocean.

Part B: Matching

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

1. Match each term to its correct definition.

food chain	→ _____	a feeding step in a food chain or web
food web	→ _____	many overlapping food chains in an ecosystem
energy pyramid	→ _____	a single path of energy from producer to consumer
trophic level	→ _____	a diagram showing energy decreases at each level

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. A invasive species is one that is not native to an ecosystem and can disrupt food webs.
2. When prey populations decrease, predator populations usually decrease too.
3. An energy pyramid is widest at the bottom because producers hold the most energy.
4. Vultures are scavengers because they feed on animals that have already died.
5. A food web with many species is more stable than one with only a few species.
6. Organisms at the same feeding level in an energy pyramid share a trophic level.
7. If all the plants in a grassland died, the herbivores would be the first consumers to lose food.
8. Nutrients are recycled in an ecosystem, but energy flows in only one direction.
9. Tiny animals called zooplankton eat phytoplankton and are primary consumers in the ocean.

Part B: Matching

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

1. Match each term to its correct definition.

food chain	→	<u>a single path of energy from producer to consumer</u>	a feeding step in a food chain or web
food web	→	<u>many overlapping food chains in an ecosystem</u>	many overlapping food chains in an ecosystem
energy pyramid	→	<u>a diagram showing energy decreases at each level</u>	a single path of energy from producer to consumer
trophic level	→	<u>a feeding step in a food chain or web</u>	a diagram showing energy decreases at each level