



Ecosystems

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. An energy _____ shows that energy decreases at each level of a food chain.
2. Only about ten _____ of energy passes from one level to the next in a food chain.
3. Most energy at each level is lost as _____ when organisms use it for daily activities.
4. Producers form the _____ level of every energy pyramid because they hold the most energy.
5. During photosynthesis, plants take in carbon _____ from the air and water from the soil.
6. Photosynthesis produces glucose for food and releases _____ into the air.
7. The top of an energy pyramid has the _____ amount of energy available.
8. Herbivores are on the _____ level of an energy pyramid just above the producers.
9. Without _____ from the Sun, producers could not make food and the entire pyramid would collapse.

Part B: Matching

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

1. Match each item to its correct answer.

Producers	→ _____	Eat producers and hold about ten percent of the original energy
Primary consumers	→ _____	Return nutrients to the soil so producers can grow again
Secondary consumers	→ _____	Hold the most energy because they capture it

Answer Key · Ecosystems · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. An energy pyramid shows that energy decreases at each level of a food chain.
2. Only about ten percent of energy passes from one level to the next in a food chain.
3. Most energy at each level is lost as heat when organisms use it for daily activities.
4. Producers form the bottom level of every energy pyramid because they hold the most energy.
5. During photosynthesis, plants take in carbon dioxide from the air and water from the soil.
6. Photosynthesis produces glucose for food and releases oxygen into the air.
7. The top of an energy pyramid has the least amount of energy available.
8. Herbivores are on the second level of an energy pyramid just above the producers.
9. Without energy from the Sun, producers could not make food and the entire pyramid would collapse.

Part B: Matching

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

1. Match each item to its correct answer.

Producers	→ <u>Hold the most energy because they capture it directly from sunlight</u>	Eat producers and hold about ten percent of the original energy
Primary consumers	→ <u>Eat producers and hold about ten percent of the original energy</u>	Return nutrients to the soil so producers can grow again