



Energy in Ecosystems

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Matter in an ecosystem is constantly being _____ .
2. Plants take in _____ dioxide from the air during photosynthesis.
3. Animals breathe out _____ that plants then take in.
4. Plants release the gas _____ during photosynthesis.
5. Water moves through ecosystems in the water _____ .
6. Nutrients return to the soil when decomposers break down dead _____ .
7. Plants pull water and nutrients from the soil through their _____ .
8. All the living and nonliving parts of an area form an _____ .
9. Energy in an ecosystem flows in one _____ , but matter cycles.

Part B: Matching

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

1. Match each item to its correct answer.

Carbon dioxide	→ _____	Gas plants take in for photosynthesis
Oxygen	→ _____	Gas plants release that animals breathe
Water cycle	→ _____	Movement of water through Earth and the air
Ecosystem	→ _____	All living and nonliving parts of an area

Answer Key · Energy in Ecosystems · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Matter in an ecosystem is constantly being recycled .
2. Plants take in carbon dioxide from the air during photosynthesis.
3. Animals breathe out carbon dioxide that plants then take in.
4. Plants release the gas oxygen during photosynthesis.
5. Water moves through ecosystems in the water cycle .
6. Nutrients return to the soil when decomposers break down dead matter .
7. Plants pull water and nutrients from the soil through their roots .
8. All the living and nonliving parts of an area form an ecosystem .
9. Energy in an ecosystem flows in one direction , but matter cycles.

Part B: Matching

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

1. Match each item to its correct answer.

Carbon dioxide	→ <u>Gas plants take in for photosynthesis</u>	Gas plants take in for photosynthesis
Oxygen	→ <u>Gas plants release that animals breathe</u>	Gas plants release that animals breathe
Water cycle	→ <u>Movement of water through Earth and the air</u>	Movement of water through Earth and the air
Ecosystem	→ <u>All living and nonliving parts of an area</u>	All living and nonliving parts of an area