



# Ecosystems

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

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

Grade: Grade 5

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. Living things in an ecosystem such as plants and animals are called \_\_\_\_\_ factors.
2. Non-living things like water, sunlight, and soil are called \_\_\_\_\_ factors.
3. A food \_\_\_\_\_ shows many overlapping food chains in one ecosystem.
4. Temperature is an \_\_\_\_\_ factor that affects which organisms can survive in an area.
5. Bacteria in the soil are \_\_\_\_\_ factors because they are living organisms.
6. A food web is more \_\_\_\_\_ than a single food chain because it shows all feeding links.
7. If one species disappears from a food web, other species that \_\_\_\_\_ on it are affected.
8. The amount of \_\_\_\_\_ an area receives determines what types of plants can grow there.
9. An ecosystem includes both biotic and abiotic factors working together as a \_\_\_\_\_.

## Part B: Matching

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

1. Match each item to its correct answer.

Sunlight	→ _____	Abiotic — provides minerals and a place for roots to grow
Fungi	→ _____	Biotic — breaks down dead matter and recycles nutrients
Soil	→ _____	Biotic — produces acorns and oxygen through photosynthesis

## Answer Key · Ecosystems · Grade: Grade 5

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. Living things in an ecosystem such as plants and animals are called biotic factors.
2. Non-living things like water, sunlight, and soil are called abiotic factors.
3. A food web shows many overlapping food chains in one ecosystem.
4. Temperature is an abiotic factor that affects which organisms can survive in an area.
5. Bacteria in the soil are biotic factors because they are living organisms.
6. A food web is more complex than a single food chain because it shows all feeding links.
7. If one species disappears from a food web, other species that depend on it are affected.
8. The amount of rainfall an area receives determines what types of plants can grow there.
9. An ecosystem includes both biotic and abiotic factors working together as a system .

### Part B: Matching

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

1. Match each item to its correct answer.

Sunlight	→ <u>Abiotic — provides energy that producers need to make food</u>	Abiotic — provides minerals and a place for roots to grow
Fungi	→ <u>Biotic — breaks down dead matter and recycles nutrients</u>	Biotic — breaks down dead matter and recycles nutrients
Soil		Biotic — produces acorns