



# Energy in Ecosystems

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

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

Grade: Grade 5

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## Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Plants are consumers because they eat sunlight.

Rewrite: \_\_\_\_\_

2. Fix the sentence: Photosynthesis happens in the roots of a plant.

Rewrite: \_\_\_\_\_

3. Fix the sentence: Algae cannot be producers since they live in water.

Rewrite: \_\_\_\_\_

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## Part B: Fill in the Blank

Write the missing word or number on each line.

1. A \_\_\_\_\_ is an organism that makes its own food using sunlight.
2. Plants make food through a process called \_\_\_\_\_.
3. The green pigment that captures sunlight in plants is called \_\_\_\_\_.
4. Producers get the energy they need from the \_\_\_\_\_.

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## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why are producers called the first link in a food chain?

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2. How do plants and algae use sunlight to make food?

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**Part A: Fix the Sentence**

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Plants are consumers because they eat sunlight.

Rewrite: Plants are producers because they make their own food using sunlight.

2. Fix the sentence: Photosynthesis happens in the roots of a plant.

Rewrite: Photosynthesis happens mostly in the leaves of a plant.

3. Fix the sentence: Algae cannot be producers since they live in water.

Rewrite: Algae are producers because they use sunlight to make food in water.

**Part B: Fill in the Blank**

Write the missing word or number on each line.

1. A producer is an organism that makes its own food using sunlight.
2. Plants make food through a process called photosynthesis.
3. The green pigment that captures sunlight in plants is called chlorophyll.
4. Producers get the energy they need from the sun.

**Part C: Short Answer**

Answer each question in one or two complete sentences.

1. Why are producers called the first link in a food chain?

*Producers are the first link because they make their own food from sunlight. All consumers depend on producers, either by eating them directly or by eating animals that ate them.*

2. How do plants and algae use sunlight to make food?

*Plants and algae use chlorophyll in their cells to capture sunlight. They combine water and carbon dioxide with light energy to make sugar through photosynthesis, which stores energy.*