



Energy in Ecosystems

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. Where does the energy in almost every ecosystem on Earth originally come from?

- A) The soil
- B) The sun
- C) The ocean
- D) The wind

2. Which organisms have the most available energy in an ecosystem?

- A) Producers
- B) Primary consumers
- C) Secondary consumers
- D) Top predators

3. Which group is essential for returning nutrients from dead organisms to the soil?

- A) Producers
- B) Herbivores
- C) Decomposers
- D) Top predators

4. Which statement best describes how energy and matter move in an ecosystem?

- A) Both energy and matter cycle endlessly
- B) Energy flows one way, but matter cycles
- C) Matter flows one way, but energy cycles
- D) Both energy and matter flow only one way

Part B: Fill in the Blank

Write the correct answer on each line.

1. The original source of energy for almost every ecosystem is the _____.
2. Producers convert sunlight into _____ energy stored in food.
3. Energy flows in one direction, but _____ cycles in an ecosystem.
4. Top predators have the _____ available energy in an ecosystem.
5. A balanced ecosystem needs producers, consumers, and _____.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. The original source of energy for almost every ecosystem is the sun .
2. Producers convert sunlight into chemical energy stored in food.
3. Energy flows in one direction, but matter cycles in an ecosystem.
4. Top predators have the least available energy in an ecosystem.
5. A balanced ecosystem needs producers, consumers, and decomposers .