



Energy: Forms and Transfer

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. Why do scientists say energy is conserved in every system?

- A) It disappears when used
- B) It only changes form, never created or destroyed
- C) It doubles each time it transfers
- D) It can be made from nothing

2. What is the original source of the energy in the food you eat for lunch?

- A) Wind
- B) The sun
- C) Ocean tides
- D) Rocks underground

3. A car burns gasoline to move. Where did the energy in gasoline first come from millions of years ago?

- A) Lightning storms
- B) Sunlight captured by ancient plants
- C) Volcanoes
- D) Earth's core

4. Wind turbines spin to make electricity. What is the original source of wind energy?

- A) Earth's gravity
- B) The sun heats air unevenly
- C) Ocean salt
- D) Underground water

Part B: Fill in the Blank

Write the correct answer on each line.

1. The law that says energy is never created or destroyed is called the law of _____ of energy.
2. Almost every energy chain on Earth begins with the _____.
3. When energy transforms, the total amount in the system stays the _____.
4. Plants capture sunlight and store it as _____ energy in their leaves and seeds.
5. Even though some energy turns into heat or sound, it is not lost; it is just _____ to the surroundings.

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Part B: Fill in the Blank

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1. The law that says energy is never created or destroyed is called the law of conservation of energy.
2. Almost every energy chain on Earth begins with the sun.
3. When energy transforms, the total amount in the system stays the same.
4. Plants capture sunlight and store it as chemical energy in their leaves and seeds.
5. Even though some energy turns into heat or sound, it is not lost; it is just transferred to the surroundings.