



# Energy: Forms and Transfer

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

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

Grade: Grade 4

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. The energy of motion is called \_\_\_\_\_ energy.
2. Stored energy that depends on position or shape is called \_\_\_\_\_ energy.
3. When energy changes from one form to another, we call it an energy \_\_\_\_\_ .
4. Heat moving through a metal spoon in hot soup is an example of \_\_\_\_\_ .
5. Light from the Sun reaching Earth is called \_\_\_\_\_ .
6. A path that carries an electric current is called a \_\_\_\_\_ .
7. An object with more mass and more speed has more \_\_\_\_\_ energy.
8. A battery changes \_\_\_\_\_ energy into electrical energy.
9. Sound energy needs a material like air, water, or a solid to travel through; it cannot move through 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.

Kinetic energy	→ _____	Energy of moving objects
Potential energy	→ _____	Stored energy from position or shape
Thermal energy	→ _____	Energy felt as heat
Electrical energy	→ _____	Energy that flows through wires

**Part A: Fill in the Blank**

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Write the missing word or number on each line.

1. The energy of motion is called kinetic energy.
2. Stored energy that depends on position or shape is called potential energy.
3. When energy changes from one form to another, we call it an energy transformation.
4. Heat moving through a metal spoon in hot soup is an example of conduction.
5. Light from the Sun reaching Earth is called radiation.
6. A path that carries an electric current is called a circuit.
7. An object with more mass and more speed has more kinetic energy.
8. A battery changes chemical energy into electrical energy.
9. Sound energy needs a material like air, water, or a solid to travel through; it cannot move through a vacuum.

**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.

Kinetic energy	→	<u>Energy of moving objects</u>	Energy of moving objects
Potential energy	→	<u>Stored energy from position or shape</u>	Stored energy from position or shape
Thermal energy	→	<u>Energy felt as heat</u>	Energy felt as heat
Electrical energy	→	<u>Energy that flows through wires</u>	Energy that flows through wires