

Energy at Work

Read closely to identify forms of energy in everyday events.

SC.3.P.10.1 "Identify some basic forms of energy such as light, heat, sound, electrical, and mechanical."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline every phrase that names a form of energy, then write L, H, S, E, or M above it to show its type. This helps you identify the forms of energy in each event.

Morning Energy Hunt

- ① Before school, Maya's class set up a morning weather station. A small solar panel sat in sunlight. Light energy from the Sun reached the panel. The panel changed some of that energy into electrical energy. Wires carried the electrical energy to a tiny fan. The spinning fan showed mechanical energy, the energy of moving objects. In this setup, one form of energy changed into another.
- ② Inside, Jordan tapped a metal triangle with a stick. The triangle made sound energy. Sound energy traveled through the air to nearby ears. At snack time, a cup of warm cocoa gave off heat energy. Heat energy moved from the warmer cocoa to the cooler air. The triangle and cocoa showed different forms of energy.
- ③ During cleanup, the class noticed more energy at work. A battery sent electrical energy through a wire to a flashlight bulb. The bulb gave off light energy. A student rang a bell, making sound energy. When a toy car rolled down a ramp, its moving wheels showed mechanical energy. The students named each form by what it did.

2 ANSWER WITH EVIDENCE Use the passage

- 1 What form of energy did the battery send through the wire, and what form did the flashlight bulb give off?

- 2 What form of energy did the spinning fan show?

- 3 What form of energy did the metal triangle make?

- 4 How did heat energy move at snack time?

3 YOUR TURN Your own words

In each panel, draw an everyday object that shows a different form of energy. Under each drawing, write one sentence that names the form of energy and tells what the object does.



A rectangular box for drawing an object. A dashed horizontal line is positioned near the bottom of the box, indicating where to write a sentence.



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PART 1 • READ AND MARK

Underline every phrase that names a form of energy, then write L, H, S, E, or M above it to show its type. This helps you identify the forms of energy in each event. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What form of energy did the battery send through the wire, and what form did the flashlight bulb give off?	The battery sent electrical energy. The flashlight bulb gave off light energy.
2	What form of energy did the spinning fan show?	Mechanical energy.
3	What form of energy did the metal triangle make?	Sound energy.
4	How did heat energy move at snack time?	Heat energy moved from the warmer cocoa to the cooler air.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1: I drew a lamp because it gives off light energy. Panel 2: I drew a drum because it makes sound energy.

Accept any accurately named basic form of energy supported by the passage. For Your Turn, accept two different forms if each drawing and sentence correctly connect an object or event to its energy form.