Science Fables

The Energy That Made Everything Happen

Story Quiz

This quiz follows Mira and Jay as they discover different forms of energy and how energy can change from one form into another.

1. What is energy?

A. The amount of space an object takes up
B. The ability to do work or cause change
C. The weight of an object
D. A type of matter

2. What type of energy is stored in a battery?

A. Sound energy
B. Chemical energy
C. Motion energy
D. Light energy

3. What happens to the chemical energy in a battery when it powers a device?

A. It changes into electrical energy
B. It changes only into sound energy
C. It disappears completely
D. It turns into gravitational energy

4. Why did the raised book have gravitational potential energy?

A. It was warm
B. It was making sound
C. It was held high above the table
D. It was connected to a battery

5. Which sequence correctly describes the energy changes in a flashlight?

A. Light energy → chemical energy → electrical energy
B. Chemical energy → electrical energy → light and some heat energy
C. Sound energy → motion energy → light energy
D. Heat energy → chemical energy → sound energy

Answer Key

1. B — The ability to do work or cause change

Energy is the ability to do work or cause change.

2. B — Chemical energy

Chemical energy is stored in a battery.

3. A — It changes into electrical energy

The chemical energy in a battery changes into electrical energy when it powers a device.

4. C — It was held high above the table

The raised book had gravitational potential energy because it was held high above the table.

5. B — Chemical energy → electrical energy → light and some heat energy

In a flashlight, chemical energy changes into electrical energy, which then becomes light and some heat energy.