

# Types of Energy Study Guide

Fill in the blanks to complete the sentences.

## Energy:

- Energy is the ability to make things \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_. We use energy everyday when we walk, talk, eat, and play.
- The Law of Conservation of Energy states that energy cannot be \_\_\_\_\_ or \_\_\_\_\_. It can only \_\_\_\_\_ from one form to another.

## Types of Energy:

### Mechanical Energy ●

- Energy delivered by electrons, usually moving through a wire (e.g., when a light bulb lights up).

### Radiant Energy ●

- Energy stored in the nucleus of an atom and released when the nucleus splits or joins together (e.g., power plants, medical imaging).

### Thermal Energy ●

- Energy stored in molecules (e.g., food, batteries, or fuel) and released from a chemical reaction.

### Electrical Energy ●

- Energy from the movement of particles. The faster they move, the more energy it has (e.g., fire, oven, sun).

### Chemical Energy ●

- Energy from motion or movement (e.g., rolling ball, person riding a bike).

### Nuclear Energy ●

- Energy that travels in waves (e.g., visible light, x-rays, microwaves).

# Pearson Education Physical Science Energy Study Guide

**Arthur E. Morris, Gordon Geiger, H. Alan  
Fine**

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