

# TYPES OF ENERGY

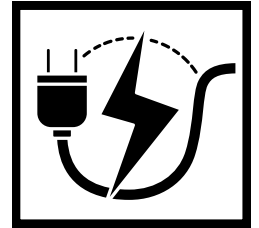
**M**

**Movement (Kinetic) Energy**  
The energy of things in motion.



**E**

**Electrical Energy**  
The energy caused by the flow of charged particles such as electrons.



**L**

**Light Energy**  
The energy we can see – it travels in rays and allows us to see things.



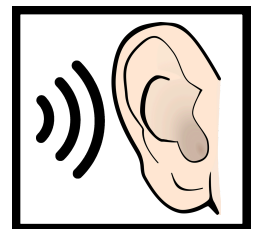
**T**

**Thermal (Heat) Energy**  
The energy that makes things warm or hot.



**S**

**Sound Energy**  
The energy we hear – made by vibrations moving through air.

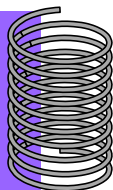


**P**

**Potential (Stored) Energy**  
Energy that is stored and ready to be used.  
There are three types of potential energy.

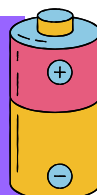
**Elastic**

Energy stored in things that are stretched or squashed.



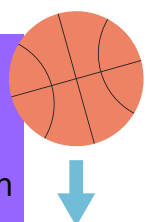
**Chemical**

Energy stored in substances like food, wood, petrol and batteries.



**Gravitational**

Energy stored in objects that are high up and can fall.



# TRANSFORMATION OF ENERGY

## INPUT

- The energy that goes **in** to make something work.
- It comes from a **source**, like a battery, the Sun or your body.

## OUTPUT

- The energy that comes **out** after a machine or system works.
- It's what we **get** — like movement, light, or sound.

## EXAMPLES OF TRANSFORMATION

