

# ENERGY

can be



## Kinetic Energy

★ energy of motion

## Potential Energy

★ stored energy

⇔ Energy comes from moving

⇔ Energy is stored to be used later

## Thermal Energy

The energy of the random motion of the particles that make up a substance "HEAT"

## Chemical Energy

The energy stored in chemical bonds (food, fuel)

## Mechanical Energy

The energy of motion of objects that are larger than atoms and molecules

## Elastic Potential Energy

The energy stored in a stretched or compressed object

## Radiant Energy

The energy of electromagnetic waves that travel or "radiate" from an energy source

## Gravitational Potential Energy

The energy due to position of an object relative to a reference point, such as the ground

## Sound Energy

The energy of vibrations or disturbances of the particles that make up matter

## Nuclear Energy

The energy stored within the nucleus of an atom

## Electrical Kinetic Energy

The energy of electrons moving along a wire or other conductor

## Electrical Potential Energy

The energy stored by a separation of positive and negative charges, as it is in a cell or battery

## Magnetic Potential Energy

The energy stored in a magnetic object because of its position in relation to a magnetic field