

Energy worksheet

Match the following:

Energy Store

chemical

elastic potential

kinetic

internal (thermal)

gravitational potential

nuclear

magnetic

electrostatic

Definition

The energy stored in a moving object.

The energy stored when an object is lifted in a gravitational field.

The energy stored when an object is stretched or squashed.

The energy stored when repelling poles are pushed closer together or when attracting poles are pulled further apart.

The total kinetic and potential energy of the particles in an object.

The energy stored in the nucleus of an atom.

The energy stored in chemical bonds.

The energy stored when repelling charges are pushed closer together or when attracting charges are pulled further apart.

ENERGY TRANSFORMATIONS



Give an example of an energy transformation for each of the following types.

a. electrical to mechanical _____

b. mechanical to sound _____

c. chemical to heat _____