ENERGY STORE AND TRANSFER CARDS

Cut out the cards. Use them to identify energy stores and the transfers between them.

ENERGY STORES

THERMAL STORE

Energy stored in the random motion of particles.

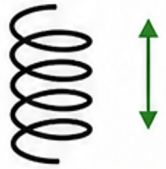
KINETIC STORE

Energy stored in a moving object.

GRAVITATIONAL POTENTIAL STORE

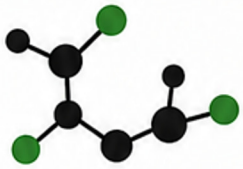
Energy stored due to an object's position in a gravitational field.

ELASTIC POTENTIAL STORE



Energy stored when an object is stretched or compressed.

CHEMICAL STORE



Energy stored in the bonds of chemicals.

ELECTRICAL STORE

Energy stored in electrical charges and circuits.

LIGHT STORE

Energy stored in electromagnetic radiation (light).

NUCLEAR STORE

Energy stored in the nucleus of atoms.

ENERGY TRANSFERS

HEATING

Transfer of energy from a hotter object to a cooler object.

MECHANICAL WORK

Transfer of energy when a force moves an object.

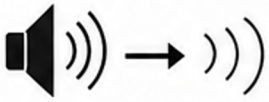
ELECTRICAL WORK

Transfer of energy by an electric current in a circuit.

RADIATION

Transfer of energy by electromagnetic waves.

SOUND

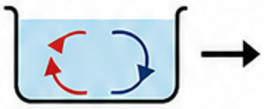


Transfer of energy by sound waves through a medium.

CONDUCTION

Transfer of energy through direct contact between particles.

CONVECTION



Transfer of energy by the movement of a fluid (liquid or gas).

EVAPORATION

Transfer of energy when a liquid changes to a gas.

Use the store cards and transfer cards to build and describe energy changes in systems.