

Intervention 8.1.7 Heat Transfer

Heat Transfer is the _____ of thermal energy from _____ to _____.

Conductors & Insulators:

- A CONDUCTOR is a material that allows energy to pass through it.
- An INSULATOR is a material that doesn't allow energy to pass through it.

Identify the following items as conductors or insulators. List them in the correct boxes.

Pencil

Wood

Rubber

Fabric

Plastic spoon

Nail

Metal spoon

Piece of paper

Key

Popcorn

Aluminum foil

Sawdust

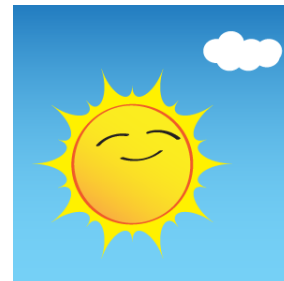
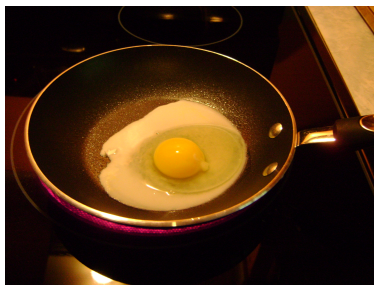
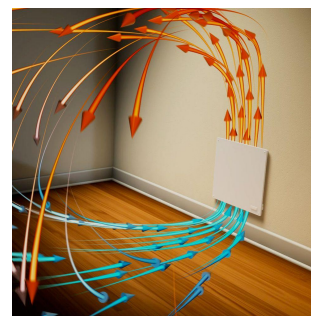
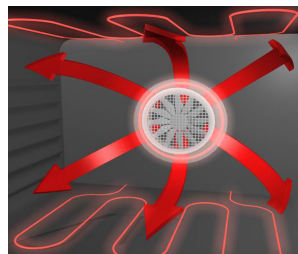
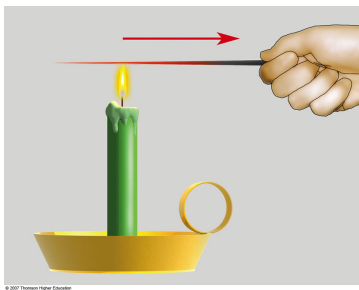
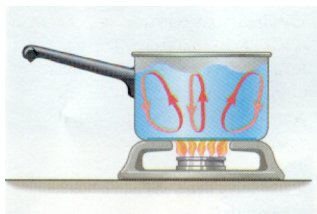
Piece of string

Cotton

Styrofoam

CONDUCTOR**INSULATOR**

Label the following as convection, conduction or radiation.



Match the definition to the correct term:

Convection

A material through which an electric current can pass.

Conduction

The transfer of heat through a gas or liquid in a current.

Radiation

The transfer of heat without direct contact. Can travel through space.

Insulator

The transfer of heat through direct contact.

Conductor

Any material that limits the movement of heat.

Fill in the boxes on the picture to the right, with the correct type of heat transfer.

Choose from the following:
Convection, Conduction, Radiation

