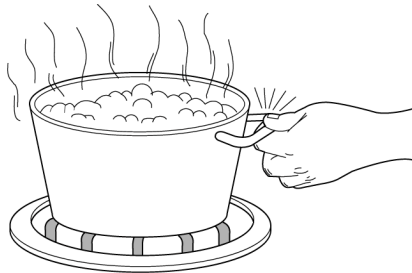


# Methods of Heat Transfer

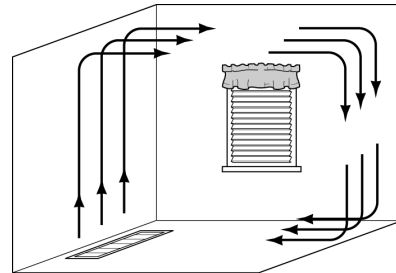
## Enrichment Activity

**Skills:** analyzing, identifying

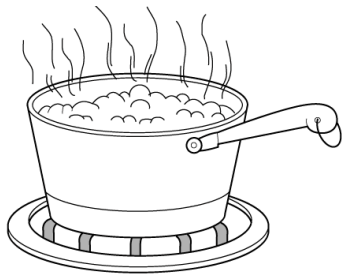
Decide whether each of the following diagrams illustrates *conduction*, *convection* or *radiation*. Write your answers in the spaces provided. Then, explain why you made the choices you did on a separate piece of paper.



1. \_\_\_\_\_



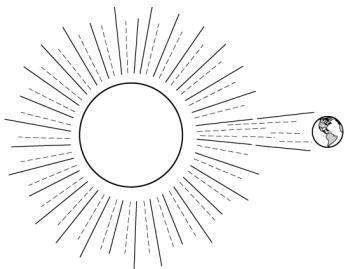
2. \_\_\_\_\_



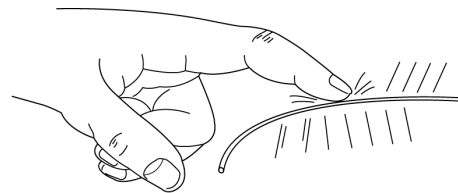
3. \_\_\_\_\_



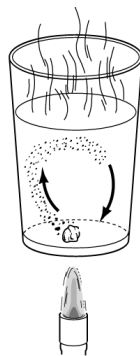
4. \_\_\_\_\_



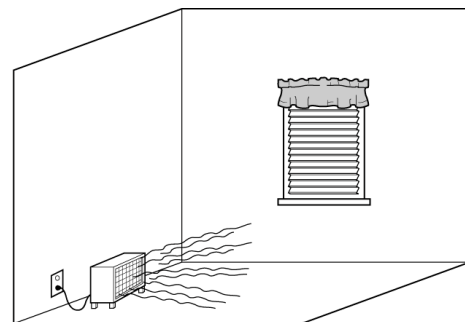
5. \_\_\_\_\_



6. \_\_\_\_\_



7. \_\_\_\_\_



8. \_\_\_\_\_

# Answer Key

## Methods of Heat Transfer

### Enrichment Activity

1. Conduction; Heat is being transferred between two solids.
2. Convection; Heat is being carried through a gas in currents around the room .
3. Conduction; Heat is being transmitted between the solid burner and the bottom of the pan.
4. Radiation; Energy is being transferred through space.
5. Radiation; Energy from the Sun is being transferred through space toward Earth.
6. Conduction; Heat is being transferred between two solids.
7. Convection; Heat is moving in currents through the fluid.
8. Radiation; Heat is being transferred by waves through space.