

1. Give two examples of convection.

- boiling pasta
- hot air balloon
- ocean (pool) is warmer at the surface and cooler at the bottom
- anything that has to do with air or water/liquids and gases/fluids

2. Give two examples of radiation.

- microwave
- sun
- roasting a marshmallow over a fire
- getting a sunburn

3. Give two examples of conduction.

- frying bacon in a pan
- a spoon heating while in hot water
- heating with an electric blanket
- holding hands
- burning your hand on the stove

4. How does heat flow?

- from the HOTTER object to the COOLER object

5. What happens to molecules when they are heated up?

- they expand because the heat/thermal energy causes the molecules to move around more and take up more space

6. What happens to molecules when they are cooled down?

- they contract because the less thermal energy, the less vibration/movement and the molecules get closer together

7. Name three conductors.

- metal
- wearing darker colors
- copper

• Give an example of how one of them helps with the transfer of heat.

- heat flows easily

8. Name three insulators.

- wool
- plastic
- rubber

• Give an example of how one of them slows down or blocks the transfer of heat.

