

Heat Transfer Study Guide

- Use information from an investigation to determine the method by which heat energy is transferred from one object or material to another. **Conduction, Convection or Radiation**
- **Conduction**- Transfer of heat through objects that touch.
*Tip: I remember conduction because it is when objects touch and there is a letter “u” in both of the words conduction and touching. (Silly, I know, but it works!)
- **Convection**- Transfer of heat through liquids or gases
Example: Boiling a pot of water on the stove- The pot touching the hot stove eye is conduction, but the water heating up is convection.
- **Radiation**- Transfer of heat through space.
Example: Going to the beach- The hot sand that touches and burns your feet is conduction. The warm sun on your skin is being heated by radiation.
Example: Warming your hands in front of a fire or a heater is heat transfer by radiation.
- You will have multiple choice questions and you will have to label some questions either conduction, convection, or radiation.