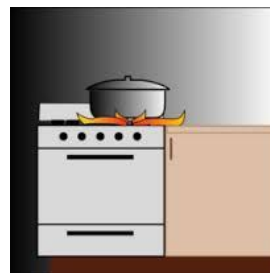


# Heat Transfer Rap Worksheet

Use the link to complete the following questions. <https://www.youtube.com/watch?v=nxeewosPpus>

1. Heat transfer is the movement of particles from \_\_\_\_\_ to \_\_\_\_\_ temperature.
  - a. Low to high
  - b. High to low
  - c. Cold to low
  - d. Hot to high
2. Heat can be transferred through direct contact which is a process called
  - a. Conduction
  - b. Convection
  - c. Radiation
  - d. Transpiration
3. Metals are known as conductors because heat can flow through them freely. Poor conductors of heat are called
  - a. Conductors
  - b. Metals
  - c. Insulators
  - d. Radiators
4. The transfer of energy as heat by movement of the heated substance itself is known as
  - a. Conduction
  - b. Convection
  - c. Radiation
  - d. Transpiration
5. In convection, particles with higher energy move from an area that is
  - a. Warmer to cooler
  - b. Cooler to warmer
  - c. Warmer to hotter
  - d. Cooler to colder
6. The transfer of energy through space without particles of matter colliding or moving is known as
  - a. Conduction
  - b. Convection
  - c. Radiation
  - d. Transpiration
7. If a plastic spoon and metal spoon are placed in hot liquid, which spoon will get hot quicker?
  - a. Metal
  - b. Plastic
  - c. Both
  - d. Neither
8. Uneven heating can result in convection both in air and water. This causes currents in the atmosphere and in bodies of water in Earth which are important factors in
  - a. Metals and nonmetals
  - b. Weather and climate
  - c. Magnets and electricity
  - d. Tidal patterns

9. The picture to the right is an example of which type of heat transfer?
- a. Conduction
  - b. Convection
  - c. Radiation
  - d. Transpiration



10. Melissa enjoys sun bathing at the beach. What kind of heat transfer is taking place?
- a. Conduction
  - b. Convection
  - c. Radiation
  - d. Transpiration