

Directions:

1. READ pages 42 – 44 in your textbook and **ADD THE FOLLOWING** words to your vocabulary section:

Temperature

Thermal Energy

Radiation

Conduction

Convection

Convection Current

2. Now, answer the following questions using at least one of the three methods of heat transfer.

1. In the evening, snow falls on a cement sidewalk and on a black top playground. Which surface will melt the snow faster and why?

2. When a person steps from a shower on a cold morning, why does the tile floor seem so much colder than the air?

3. Although you do not touch the flames, your chest feels warm while you are sitting in front of a fireplace. Why does your back still feel cold?

4. The outdoor temperature is 85°F, and your friend comes to school in a dark blue outfit. Was this a smart clothing choice for today? Why or why not?