

## Heat Transfer Unit Assessment Study Guide

What is convection? Give an example.

What is conduction? Give an example.

What is radiation? Give an example.

What is the direction that heat moves?

Why does a room temperature water bottle get cold in a refrigerator?

What do you know about light and dark colors and the absorption of energy?

What is the difference between an insulator and a conductor in terms of heat transfer?

Why does warm air rise and cool air sink? Use your knowledge of density and molecular movement.

If you sat on a metal bench in the wintertime, what would it feel like? Why?

If you sat on a plastic bench in the wintertime, would it feel different than the metal bench? Why?

Lab Demo Insulators-Look back at the soda can lab data, what did we learn about insulators?