**Chapter 6 Outline: Thermal Energy**

**Vocabulary:**

Conduction Convection Convection Current Heat Radiation

Specific Heat Temperature Thermal Conductor Thermal Contraction

Thermal Energy Thermal Expansion Thermal Insulator

**Outline of Topics:**

1. Define/Explain Thermal Energy
   1. Explain how temperature and Kinetic Energy are related.
   2. Describe/Explain the similarities and the differences between Heat and Thermal Energy.
2. Discuss Thermal Energy Transfers
   1. What happens to material when it is heated.
   2. Explain Conduction, Convection, and Radiation.
   3. Explain/Describe Thermal Contraction and Thermal Expansion