**Chapter 4 Thermal Energy**

**Key Terms and Questions**

**Reading in Stemscopedia: Thermal Energy**

**Key Terms:**

Thermal energy

Temperature

Melting

Freezing

Condensation

Evaporation

Thermal equilibrium

**Key Questions**

What are molecules constantly doing?

What happens to the speed of molecules in a substance as it changes from solid to liquid to gas?

How does the size of an object affect the amount of thermal energy?

Why does a bucket of cold milk have more thermal energy than a cup of milk?

What is the difference between thermal energy and temperature?

How do molecules in hot object move compared to molecules in cold objects?

What is thermal equilibrium?

What happens to objects when heat is added to them?

What happens to objects when het is removed to them?