Chapter 4: Temperature and Heat

Objectives and Vocab

Objectives:

I will be able to explain the kinetic theory of matter

I will be able to describe the difference between heat and temperature

I will be able to identify and describe the machine used to measure calories

I will be able to define key vocabulary words such as heat, thermal energy, and calorie

I will be able to identify the property of specific heat and explain the benefits of this property

I will be able to apply the principle of specific heat to substances in my daily life

I will be able to determine why specific heat is different for different substances

I will be able to explain temperature change, and what is happening to the flow of energy within a system

I will be able to identify the theory of conservation of energy through laboratory situations

I will be able to describe and demonstrate the transfer of energy within a system

I will be able to identify what temperature is and how temperature is measured

Specific heat:

Conduction:

Conductor:

Insulator:

Convection:

Radiation:

Kinetic Theory of Matter:

Temperature:

Degree:

Thermometer:

Heat:

Thermal Energy:

calorie:

Joule: