Ch. 2

Properties of Matter

Unit Objectives:

I will be able to recognize and explain chemical and physical properties of matter

I will be able to learn how energy is related to changes of states of matter

I will be able to identify how the properties of substances can be used to identify them and to separate mixtures

I will be able to explain what different types of reactions are useful to people and why they are useful

I will be able to understand that chemicals have both positive and negative environmental effects

I will be able to explain the laws of conservation of mass and energy

I will be able to explain that matter has definite structure that helps determine the physical and chemical properties

I will be able to determine that each form of matter can be identified by unique physical and chemical properties

I will be able to gather and interpret data on chemical and physical properties of elements such as density, melting point, boiling point, and conductivity

I will be able to use physical and chemical properties to develop predictions and supporting claims about elements positions on the periodic table

I will be able to develop a model that differentiates atoms and molecules, elements and compounds, and pure substances and mixtures

Chapter 2 Vocabulary

Physical Properties

Density

Physical Change

Chemical Properties

Chemical Change

Melting

Melting Point

Freezing

Freezing Point

Evaporation

Sublimation

Boiling

Boiling Point

Condensation