Chapter 6 & 7

Objectives and Vocab

Objectives:

* I will be able to explain that all matter is made of particles too small to see known as atoms
* I will be able to identify chemical compounds by name and chemical formula
* I will be able to explain how chemical bonds are important to identifying the properties of compounds
* I will be able to relate the structure of a compound to the function of that compound
* I will be able to predict the combinations of two different atoms based on the individual behavior of an atom
* I will be able to explain the differences in types of chemical bonds and explain how those bonds are formed
* I will be able to explain what causes the structure of all materials
* I will be able to identify the unique properties of metals, nonmetals, and metalloids and relate that to the types of bonds that typically form between those specific substances
* I will be able to explain the changes in form of matter
* I will be able to explain how chemical reactions work and what the importance of bonds are within chemical reactions
* I will be able to identify different types of reactions based on the products that are created
* I will be able to apply information about chemical reactions to life and industry
* I will be able to explain how energy is involved in chemical reactions

Vocab:

Chemical Formula

Subscript

Ionic bond

Covalent bond

Molecule

Polar covalent bond

Metallic bond

Chemical reaction

Reactant

Product

Precipitate

Catalyst

Law of conservation of mass

Coefficient

Bond energy

Exothermic reaction

Endothermic reaction

Photosynthesis

Respiration