

Chem 115
Fall, 2006
Assignment 2

Reading Assignment

Complete reading Chapter 2, then read Chapter 3 in Brown, LeMay, and Bursten

Toward the end of Chapter 2 we will be discussing the periodic table and nomenclature (naming compounds). Be sure you get copies of the following handouts from the web site: "Acid Names," "Monatomic Ions," "Nomenclature," "Periodic Table Definitions," "Polyatomic Ions." Be sure to learn the names, formulas, and charges of both monatomic and polyatomic ions, and know how to put them together in forming ionic compounds. Either from the book or from the handout, "Nomenclature," be able to name both molecular and ionic compounds, and be able to write molecular or empirical formulas from names.

Homework Assignment

Do as many of the following problems as possible. We will go over these in discussion sessions during the week of September 19th.

Chapter 1: 1.37, 1.39, 1.41, 1.45, 1.47, 1.51.

Chapter 2: 2.1, 2.9, 2.23, 2.25, 2.35, 2.29, 2.35, 2.41, 2.43, 2.45, 2.47, 2.49, 2.51, 2.53, 2.55.

OWL Modules

If you want more practice on nomenclature, check out the following OWL modules at <http://owl.umb.edu>: "Nomenclature," "Nomenclature II," "Discovery: Ionic Compounds." Also, if you need more help with significant figures, try the module "Discovery: Significant Figures." The Discovery modules require a JAVA applet, which is a free download. If your browser does not have it, you will be prompted where to get it. If you have not yet tried the OWL system, get the information sheet "Directions on Using OWL" on the course web site.