

Chem 115
Fall, 2006
Assignment 1

All information concerning this course, including all future homework assignments, can be found on the course web site, which can be reached through links at the Chemistry Department's home page, www.chem.umb.edu. Visit the site regularly.

Announcement

☛ **There will be no Chem 115 discussions or Chem 117 laboratories in the first week of classes. Laboratories and discussions will begin the week of September 11.**

Reading Assignment

Read Chapters 1 and 2 in Brown, LeMay, and Bursten, 10th ed.

Homework Assignment

Note on Assignments: If your discussion section occurs early in the week, some of the problems in each weekly assignment may involve material we have not yet covered in class. Try to do these, based on your reading, but in sometimes we will not review a few of the last problems in the series until the following week.

Do as many of the following problems as possible before coming to your registered discussion sessions during the week of September 11. Answers can be found in the back of the book. For some assignments (not this one), I will have a different way of approaching certain problems and will post my solutions under Solutions on the web site. In some of the following exercises, you will want to use conversion relationships found in the back of the book. Just so you know, on tests I will give you any necessary inter-system conversion factors (e.g., 2.54 cm = 1 inch), but you are expected to know the conversion relationships within the metric system (e.g., $10^3 \text{ g} = 1 \text{ kg}$).

Chapter 1: 1.1, 1.9, 1.11, 1.13, 1.15, 1.17, 1.19, 1.23, 1.25, 1.27, 1.29, 1.31, 1.33 (a)-(c).

Also, do all the problems in Practice Problems for Calculator Use, posted separately under Assignments. Answers and comments are given on the second page of this document.

Resources for Additional Information and Practice

Register for access to the textbook's web site, <http://www.prenhall.com/brown>, using the instructions in the "Student Access Kit" that came bundled with your text. Look around at the resources on the web site and consider using them regularly to reinforce your study from the text and the lectures. Also, the on-line OWL system at <http://owl.umb.edu> has drill-and-practice exercises for all the topics in the course. See the separate document "How to Use OWL", posted

under Information on the course web site, for instructions about logging onto the system. You must be registered to use the OWL system. If your name appeared on our initial class list you are probably already registered. If not, follow the instructions on the OWL site to request registration. You should get a response in a day or two. Use of the OWL system is entirely optional, although some of the boilerplate on the site may make it seem as though it is required.