Chem 103, Spring 2006
Prof. Sevian
Assignment 3

Warning!
This is a very big assignment because many of the problems are time consuming to solve. Be sure to allow yourself plenty of time to work on it. The material covered in this assignment forms the conceptual and mathematical foundation of all that we will do this semester, so it is very important that you master this material. You will learn much more if you attempt these problems before you attend discussion section. You may even want to consider attending more than one of the discussion sections during the week that this assignment is discussed.

Homework Assignment

✍ Chapter 3: problems 1, 4, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 33, 39, 43, 47, 51, 59, 63, 67, 71, 105*
*some conversions you will need for problem 105 are (1 ton = 2000 lb) and (1 kg = 2.20 lb).

Answers to the red problems in the book are in the back of the book. Worked out solutions to all the problems are in the Student Solutions Manual, which you have access to if you purchased the bundle from the bookstore. Otherwise, you can use one of the paper copies of the Student Solutions Manual on reserve at Healey Library. Only the red problems are assigned. However, to study for exams I encourage you to try the other problems also.

Announcements

✍ Assignment X is discussed during the week with discussions labeled X. For example, this assignment (#3) will be discussed during the week of February 13-17, where Discussion 3 is indicated in the course calendar (see syllabus). It is deliberate that homework is discussed after the material has been covered in lecture. This is to give you maximum time to work on the homework, and also to help provide you with a conceptual foundation for understanding the material while you work on the homework. It is to your advantage to begin working on the homework while we are covering that material in lecture. This is why I post the assignments one or two weeks in advance of when they are discussed at discussion section.

✍ In addition to the solutions manual on reserve in Healey Library, I have also placed a small math help book on reserve at the library. The math help book was written to accompany the text book we are using, and provides a review of the math needed to do problems in the book, broken down by chapter. If you feel you are in need of some math review, I encourage you to have a look at this book.