


Chem 103, Spring 2006
Prof. Sevian
Assignment 6


Note: This assignment involves a lot of calculations and keeping track of details. This can be time consuming and certainly involves focus and concentration. Be sure to give yourself adequate time to work on these problems. While you are doing the problems, it may help to pay attention to two things. On the detail level, note which steps cause you difficulty. Chances are you will want to better understand why it's necessary to do these steps and then they will be less difficult. Also, pay attention to the big picture strategies you use to solve the problems. For example, for titration problems, the goal is always to figure out the right amount of moles of something where an unknown is involved (e.g., concentration of one of the solutions) to react with a certain amount of moles of something known. Once you figure out what the goal of a type of problem is, it's easier to figure out how to solve similar problems.

Homework Assignment

 Chapter 4: problems 25, 28, 41, 45, 47, 49, 51, 53, 55, 57, 59, 63, 65, 69, 77, 79

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

 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.