

Chapters 2 and 10 Study Guide

Dimensional Analysis, Measurement, and Writing Chemical Equations

Chemistry I B. White

Chapter 2 Objectives

- You will use measuring devices properly so that the correct number of significant digits are recorded.
- You will be able to do calculations involving measured quantities and report the result to the proper degree of precision.
- You will be able to use dimensional analysis (factor-label method) to solve a variety of problems.
- You understand basic and derived units of SI and be able to use prefixes to convert among numbers.



Chemistry Wisdom: "If you're not a part of the solution, you're a part of the precipitate."

Chapter 10 Objectives

- You will write chemical equations to describe chemical reactions.
- You will classify and identify chemical reactions.
- You will write ionic equations for reactions that occur in aqueous solutions.

Activities

- ___ Dimensional Analysis
- ___ Classroom Activity on Measuring Properly
- ___ Classroom Activity on Balancing Chemical Equations
- ___ Lab(s) on Chemical Reactions
- ___ Student review and self-assessment from the web site www.chemistrymc.com
Username: cmc2005
Password: t8chefec

Assignments

- ___ Chapter 2 Text Practice Problems: **p. 50, 75-80, 83-85, 89, 93**
- ___ Chapter 2 Additional Worksheets
- ___ Chapter 10, **p. 304, 71-94**
- ___ Chapter 10 Additional Worksheets

Homework must be turned in on 8 1/2 x 11 inch unlined paper. Homework must be completed and checked before the day of the chapter test, and it is the responsibility of the student to make sure that the homework is complete and corrected.