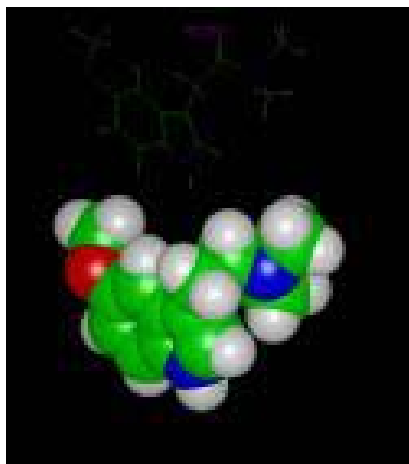


# Chapters 8 and 9 Study Guide

## Structures and Naming

### Chemistry I

#### B. White



#### Chapter 8 Objectives

- You will define a chemical bond.
- You will describe how ions form.
- You will identify ionic bonding and the characteristics of ionic compounds.
- You will relate metallic bonds to the characteristics of metals.

#### Chapter 9 Objectives

- You will analyze the nature of a covalent bond.
  - You will name covalently bonded groups of atoms.
  - You will determine the shapes of molecules.
  - You will describe characteristics of covalent molecules.
- You will compare and contrast polar and nonpolar molecules.

#### Activities

\_\_\_ Nomenclature

\_\_\_ Structures

\_\_\_ Polarity

\_\_\_ Lab on molecular structures

\_\_\_ Lab on properties of compounds

\_\_\_ Student review and self-assessment from the web site [www.chemistrymc.com](http://www.chemistrymc.com)

Username: cmc2005

Password: t8chefec

\_\_\_ Class review

#### Assignments

\_\_\_ Take reading notes on Chapters 8 and 9 (portfolio)

\_\_\_ Chapter 8 Homework: p. 236; 47-59 (optional practice), 61-73 (odd only), and 74-79

\_\_\_ Chapter 9 Homework: p. 273; 72-87 (optional practice), 89-93 (odd only), and 99-114

\_\_\_ Worksheet on naming compounds and writing compound formulas

*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.*