

# The Periodic Table Unit

## Chemistry I

B. White

### Chapter 6 Objectives

- You will explain why elements in a group have similar properties.
- You will relate the group and period trends seen in the periodic table to the electron configuration of atoms.
- You will identify the s, p, d, and f-blocks of the periodic table.

### Chapter 7 Objectives

- You will classify elements based on their electron configurations.
- You will relate electron configurations to the properties of elements.
- You will identify the sources and uses of selected elements.

### Chapters 6 and 7 Activities

- \_\_\_ Opening Day Activities on Learning the Parts of the Periodic Table
- \_\_\_ Demonstrations of Chemical Family Properties
- \_\_\_ Lab 6.1: Properties of the Periodic Table
- \_\_\_ Lab 16 (alternate source): Reactivity of the Alkaline Earth Metals
- \_\_\_ Individual/Group Project on Elements
- \_\_\_ Student review and self-assessment from the web site [www.chemistrymc.com](http://www.chemistrymc.com)  
Username: cmc2005  
Password: t8chefec
- \_\_\_ Class review

### Assignments

- \_\_\_ Chapter 6 practice problems from the textbook: end of chapter problems 27-67, ODD ONLY
- \_\_\_ Chapter 7—No practice problems: project  
*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.*

### Assessments

- \_\_\_ Portfolio work (including lab work)
- \_\_\_ Self-check understanding/quizzes on-line
- \_\_\_ Project
- \_\_\_ Chapter Test