

BASIC CONCEPTS OF CHEMISTRY

Chapter 4

The Periodic Table and Chemical Nomenclature

Objectives:

- * Describe the origins of the Periodic Table
- * Using the Periodic Table, identify a specific element with its group number and name, period, and physical state
- * Write the names and formulas of ionic compounds between metals and nonmetals using the IUPAC conventions
- * Write the names and formulas of compounds containing polyatomic ions
- * Name binary molecular (nonmetal–nonmetal) compounds using proper Greek prefixes or common names
- * Write the names and formulas of acids
- * Be able to convert from the names of compounds to their formulas, and from the formulas of compounds to their names