

AP CHEMISTRY SUMMER ASSIGNMENT

We will start the year by completing Chapter 3 as quickly as possible. Chapter 3 contains a review of basic calculations such as:

- Mole conversions
- Formula determination
- Balancing equations
- Stoichiometry calculations, including limiting reactant calculations

On your own, you should read & review **chapters 1 & 2** in the book. The object is to refresh your memory on basic concepts--NOT to learn every detail. You should re-memorize the common charges associated with main-group elements, the list of diatomic elements (p. 37), and the common polyatomic ions shown on p. 41.

To test yourself, try the following problems:

- p. 21 Chapter Summary Problem parts a-c, f, g, i, j (Answers are shown in the text.)
- p. 21 #2-10 even, 20, 24, 26 (Answers for even-numbered problems are in the back.)
- p. 47 Chapter Summary Problem (all parts)
- p. 47 #14, 16, 20 - 46 even, 50 - 56 even