

## COMMENTS ABOUT PREREQUISITE TOPICS

I will devote time in Lectures to material listed on D2L.  
Chapters 1-4: a **Review** of High School Chemistry &  $\therefore$  your prerequisite knowledge.

This information is fundamental for **all further work in chemistry**. You need to be fluent in recalling these topics and using these skills. They will certainly be **required** and **tested** throughout the semester in all aspects of the course including the midterm and final examination.

You should already know the material in Chapters 1-4 with emphasis on the following topics.

- ★ units, significant figures and scientific notation
- ★ the atom and chemical formulas
- ★ atomic masses, isotopes, THE MOLE
- ★ percent composition
- ★ reaction stoichiometry (including limiting reactants and yields)
- ★ basic understanding of reaction types (including those used for titrations)
  - precipitation, acid-base, oxidation
- ★ laboratory calculation skills: concentrations and dilutions

Your level of knowledge and proficiency should be such that you find these problems **simple**. If **NOT**, you will need to dedicate more time to review this background information in order to excel in this class.

Chapter 1: 17, 18, 36, 48, 76

Chapter 2: 16, 18, 44, 46, 56, 58

Chapter 3: 6, 7, 24, 26, 28, 40, 50, 72, 86, 90, 104, 112, 144

Chapter 4: 18, 22, 48, 50, 62, 72, 87, 92

Several activities at the beginning of Chemistry 201 are primarily devoted to the prerequisite material. The appropriate sections of the course web site contain further information and reading assignments to help you prepare for:

- CAL1
- Seminar 1
- Laboratory Experiments 1 (The Formulas of Hydrates), 2 (Qualitative Inorganic Analysis – Flame Tests and Simple Reactions) & 3 (Determination of Hypochlorite in Commercial Bleach)

You can also access an on-line self-test of the pre-requisite material via D2L.