

**AP Chem  
Unit I Topics**

- I. Science of Chemistry *pages 1 - 10; 25 - 28.*
- II. Recording Information *pages 10 - 25*  
**Summer problems: p 34, #53, 55, 59.**
- A. Unit Analysis
  - B. Significant Figures
  - C. Graphing & Statistical Tools
- III. Atomic Masses & The Mole *pages 78 - 91*  
**Problems: p 117, #19, 29, 58, 61, 63**
- A. Relative Atomic Masses and Isotopes
  - B. Mass Spectrometer
  - C. The Mole
- IV. Inorganic Nomenclature *pages 57 – 67; 154-158*  
**Problems: p 62-63 sample exercise 2.7, p 72, #67, 68**
- A. Common polyatomic ions (memorize Table 2.5)
  - B. Naming Compounds
  - C. Writing Formulas
  - D. Oxidation numbers (Table 4.2)
- V. Empirical & Molecular Formulas, % Composition *pages 91 - 96*  
**Problems: p 119, #67, 68, 71**

(updated for Zumdahl 7e)