

Things to Review

Review these topics on your own; feel free, however, to ask questions during class.

Chem 170: Stoichiometric Calculations

- review all eight units as necessary (link on course archive page)
- see, as well, Chapter 2C of Analytical Chemistry 2.1

Chem 260: Thermodynamics, Equilibria, and Kinetics

- review lab manual on analytical measurements and techniques

Analytical Chemistry 2.0: Chapter 1

- Section A: What is Analytical Chemistry?
- Section B: The Analytical Perspective
- Section C: Common Analytical Problems

Analytical Chemistry 2.1: Chapter 2B

- review units of concentration
 - molarity: M or mol solute/L solution
 - formality: F or mol solute/L solution (difference between M and F is subtle)
 - normality: N or equivalents of solute/L solution (uncommon unit)
 - molality: m or mol solute/kg solution
 - weight percent: %w/w or g solute/100 g solution
 - volume percent: %v/v or mL solute/100 mL solution
 - weight-to-volume percent: %w/v or g solute/100 mL solution
 - parts-per-million: ppm or μg solute/mL solution or mg solute/L solution
 - parts-per-billion: ppb or ng solute/mL solution or μg solute/L solution
 - p-functions

Analytical Chemistry 2.1: Chapter 3

- gain comfort with the list of key terms in section H