Covered in Lecture:

- Electrolytes
  - Strong electrolytes, weak electrolytes, and non-electrolytes
    - dissociation of ionic compounds and ionization of molecular compounds

- Types of chemical reactions and predicting products
  - Combination
  - Decomposition
  - Single Displacement
    - activity series and Br I N Cl H O F
  - Double Displacement
    - precipitation reactions
    - solubility rules
  - Combustion
  - Acid-base neutralization
    - definition of acids and bases
    - strong and weak acids and bases
    - neutralization equation
    - titration
  - Redox reactions
    - oxidation #s
    - oxidation and reduction
    - oxidizing and reducing agents
    - redox ½ reactions
    - balancing redox reactions using the ½ reaction method
    - examples of redox reactions

- Chemical equilibrium
  - Dynamic equilibrium

Covered in Lab (Exp. #9: Solutions and Reactions, day 1 of 3):

- Aqueous solutions
  - Water as a solvent
  - Solvation theory
  - Encapsulation of ions in solution

- Types of equations
  - Formula equations
  - Complete ionic equations
    - spectator ions
  - Net ionic equations

Manage your time wisely as you study. Cover all the basic concepts before delving too deeply into any one topic. If you have a specific question, you can e-mail me at albi.romero@cabrillo.edu. I will reply to e-mails several times the night before an exam. Continue to study other topics while you wait for a response.