Chapter 9

• Key Ideas
  – All of the systems of acid/base definitions
  – Presentation of hydrolysis and proton transfer processes
  – Calculation of $K_{rxn}$ for proton transfer
  – Thermodynamics of aqueous acids/bases and gas phase acids and bases
  – Drago-Wayland analysis
    • All three parameters for simple complexation
    • Only two parameters for displacement or exchange reactions
  – Steric effects on Lewis complexation
  – HSAB analysis and predictions (see table 9.7, page 347)