CHM 11600 Daily Page – Lecture 13
Wednesday, February 20, 2013

LEARNING OBJECTIVES

- Be able to calculate pH and pOH of strong or weak base solutions, given K_a or K_b.
- Be able to predict, using K_a and K_b data, if a salt solution will be acidic, basic, or neutral.
- Be able to calculate pH for mixing strong acid and strong base.
- Be able to calculate pH for mixing weak acid and strong base.

ASSIGNMENTS

- CONNECT Homework:
  - HW12 due Thurs, 11:59pm
  - HW13 due Mon., Feb 25
- Reading for Monday:
  - Silberberg: 18.4, 18.7, 19.2
- LearnSmart
  - Week 8, due Mon. Feb 25, 10:30am
- Laboratory (Thurs/Fri):
  - Lab 7: LeChatelier's Principle

Base Anions: From Monday

- What is the pH of a 0.10 M solution of NaF, given that the K_a for HF = 7.2×10^{-4}?

Acid-Base Properties of Salts

- Conjugates of strong acids are no good as bases:

- Cations of soluble hydroxide bases have no acid ability

Acid-Base Properties of Salts

- Conjugates of weak acids are weak bases:
- Conjugates of weak bases are weak acids:
- Transition metal cations tend to be acidic:

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：https://d.book118.com/185024141220011033