
Monday, January 29, 2018

- **Period 8 Midterm Exam 8:00 – 10:05, Room 188**

Tuesday, January 30, 2018

- Ch. 14.2-14.3: Heterogeneous Equilibria; Multiple Equilibria; Equilibrium & Kinetics
- **Homework #14-2:** Problems pg. 618-619 #8(d,f), 15, 20, 22 (convert P to M using $PV=nRT$), 24, 30, 32, 36** (**For 36 $k_f = k_1$ and $k_r = k_{-1}$).

Wednesday, January 31, 2018 (Room 382)

- Ch. 14.4: Using the Equilibrium Constant
- **Homework:** Determination of K_{eq} for $FeSCN^{2+}$ (Vonderbrink #13) Prelab

Thursday, February 1, 2018

- Determination of K_{eq} for $FeSCN^{2+}$ (Vonderbrink #13)
- **Homework #14-3 WKS:** Problems pg. 619-620 #26, 40, 42, 43, 44, 48 and extra problem: For the equilibrium $Br_2(g) + Cl_2(g) \rightleftharpoons 2 BrCl(g)$ at 400 K, $K_C = 7.0$. If 0.60 mol Br_2 , 0.60 mol Cl_2 , and 2.4 mol $BrCl$ are placed into an evacuated 2.0-L reaction flask, what are the final concentrations of the components?

Friday, February 2, 2018

- Ch. 14.5: Factors that Affect Equilibrium–Le Châtelier’s Principle
- **Homework #14-4:** Problems pg. 620 #51, 52, 53, 55, 56, 59, 60, 61; Additional Le Châtelier WKS

Monday, February 5, 2018

- Chapter 14 Review List
 - **Textbook:** pg. 621-625 #63, 66, 68(b), 72, 78, 81, 86, 88* (*make initial moles $H_2 = 0.984$ to be equal to initial moles I_2), 92(b,c), 98, 103, 107
 - **Study Guide:** pg. 286-288 #6, 7, 12, 14, 18, 19; pg. 296-299 #4 (K_P only), 11, 13, 16, 17 (K_P only)
** Underlined questions should be done b/c these types of questions were not in text book review.
 - Ch. 14 Multiple Choice Review
- **Homework #14-5:** Finish Textbook Review Problems & MC Review

Tuesday, February 6, 2018

- Review Chapter 14: Chemical Kinetics
- Ch. 15.1-15.2: Brønsted Acids and Bases; Acid-Base Properties of Water
- **Homework #15-1:** Problems pg. 669-670 #2, 4, 5, 6, 11, 15

Wednesday, February 7, 2018 (Room 382)

- Ch. 15.3-15.5: pH; Strength of Acids and Bases; Begin Weak Acid Ionization Constants (No Calculations yet)
- **Homework:** Determination of Molar Mass and K_a of an Unknown Acid (Slowinski #24) ASA

Thursday, February 8, 2018

- **Lab:** Determination of Molar Mass and K_a of an Unknown Acid (Slowinski #24)
 - We will be performing optional Part C.

Friday, February 9, 2018

- **Chapter 14 Test: Chemical Equilibrium**

- **Homework 15-2:** Problems pg. 670-671 #13, 14, 18, 20, 25, 26, 29, 31, 33, 34, 35, 37