

Monday, January 1, 2018

- Last Day of Winter Break! See you tomorrow!

Tuesday, January 2, 2018

- Chapter 11-12 Review
 - Multiple Choice Review for Chapter 11 & 12
 - Text book:
 - Chap 11: pg. 481 #95, 96, 98, 103, 107, 112, 113, 118, 119, 122, 126, 128, 133, 137
 - Chap 12: pg. 522 #100, 102, 110, 116, 119
 - Optional: in Study Guide:
 - pg. 221 # 4, 5, 6, 7, 15, 19, 20, 28; pg. 231 # 2, 5, 10, 12, 13 ← **Required question**
 - pg. 241 # 8a, 13^{*}, 14, 24, 26
**The answer for this question in the Study Guide is incorrect. See website for a correct solution*
*** Underlined questions should be done b/c these types of questions were not in textbook review.*
- Homework 12-2: Textbook Problems & Study Guide p. 221 #13.

Wednesday, January 3, 2018 (Room 382)

- Check and discuss HW Review and do *Boiling water demo from HW question # 11.133*.
- **Homework**: Study for Chapter 11-12 Test

Thursday, January 4, 2018

- **Snow Day!**
- Chapter 13.1: The Rate of a Reaction (Screencast)

Friday, January 5, 2018

- **Chapter 11-12 Test: Liquids, Solids, IMFs; Solutions**
- **Homework 13-1**: Problems pg. 575 #7-12

Monday, January 8, 2018

- Chapter 13.2: The Rate Law
- **Homework 13-2**: Problems pg. 575 #14, 15, 17, 18, 19, 20, pg. 580 #87* (**For this question, you must use graph paper and make a plot of "Initial Rate" vs. [N₂O₅]*)

Tuesday, January 9, 2018

- Ch. 13.3: Integrated Rate Laws
- **Homework #13-3**: Problems pg. 576 #21*, 24, 27, 28, 29a, 30, pg. 581 #94* (**For these two questions, see my website for the plots from these questions already done for you.*)

Wednesday, January 10, 2018 (Room 382)

- Ch. 13.4: Collision Theory; Activation Energy & Temperature Dependence of Rate Constants
- **Homework**: Kinetics of Crystal Violet Fading (Flinn #11) Prelab

Thursday, January 11, 2018

- **Lab**: Kinetics of Crystal Violet Fading (Flinn #11)
- **Homework #13-4**: Problems pg. 576 #31, 34, 35, 37, 39, 40, pg. 582 #109; Arrhenius Equation WKS

Friday, January 12, 2018

- Dr. C @ Science Olympiad
- Ch. 13.5-13.6: Reaction Mechanisms & Catalysis
- **Homework #13-5**: Problems pg. 577-578 #46-54, 55, 61, 62, pg. 581 #102

Looking Ahead: There is no school on Monday, January 15, 2018, in observance of Martin Luther King, Jr. Day. The Chapter 13 Test on Kinetics is scheduled for Friday, January 19, 2018.