

Agenda 5, 10/15 to 10/24/19

Week 9

Tue (10/15) Lecture Chapter 17 – Aromatic Compounds
 Concepts Definition of aromatic character, naming of aromatic compounds, structure, and stability of benzene

 Reading Klein: Sections 17.1-17.4
 Homework Klein: 17.24, 17.25, 17.30, 17.32, 17.34, 17.35, 17.39
 Lab Molecular Modeling of the Diels-Alder Reaction using Spartan. (handout)

Thu (10/17) Lecture Chapter 17 – Aromatic Compounds
 Reading Klein: Sections 17.5-17.8
 [18]Annulene *Organic Syntheses, Coll. Vol. 6, p. 68 (1988)*
 Concepts Benzylic carbon chemistry, reduction of aromatics, Spectroscopy
 Homework Klein: 17.43, 17.48, 17.49, 17.52, 17.53, 17.55, 17.61
 ACS-style problems: 17.67-17.69 (don't turn these in, just check them)
 Carbon NMR Assignments for chloronitrobenzenes (handout)

Due ***Chapter 16 homework, Ethers and Derivatives Worksheet, Diels-Alder Worksheet***

Lab **Exam 2** (Chapters 12, 13, and 16) in A277, 9:00-11:50 am

Week 10

Tue (10/22) Professional Development Day (**no lecture or lab**)

Thu (10/24) Lecture Chapter 18 – Aromatic Substitution Reactions
 Reading Klein: Sections 18.1-18.4
 Concepts Electrophilic Aromatic Substitution, halogenation, sulfonation, nitration
 Homework *Aromatic Substitution Worksheet* (handout)
 Aromatic Synthesis Worksheet (handout)

Due ***Chapter 12, 13 homework, Final draft of Dehydration lab***

Lab Synthesis of Methyl Salicylate (Oil of Wintergreen) (*Pavia* 43)