

Agenda 4, 10/1 to 10/10/19

Week 7

Tue (10/1)	Lecture	Chapter 13 – Ethers and Epoxides; Thiols and Sulfides
	Concepts	Naming, occurrence, and chemistry of ethers
	Reading	Sections 13.1-13.5
	Homework	Medically Speaking – Polyether Antibiotics (p. 563) (repeated from Agenda 3) Klein: 13.26, 13.27, 13.29 (repeated here from last Agenda)
	Due	<i>Benzoyl methylbenzylamine lab, Essential Oils lab</i>
	Lab	An Oxidation-Reduction Scheme: Borneol, Camphor, Isoborneol. Week 2
Thu (10/3)	Lecture	Chapter 13 – Ethers and Epoxides; Thiols and Sulfides
	Concepts	epoxide chemistry, thiols, and sulfides, and other sulfur compounds
	Reading	Klein: Sections 13.7-13.11
	Homework	(repeated from Agenda 3) Klein: 13.33, 13.34, 13.36, 13.37, 13.44, 13.66, 13.67, Klein Spectroscopy: 13.52, 13.53, 13.54, 13.55 ACS-style questions: 13.68-13.70 (don't turn these in) <i>Ethers and Derivatives Worksheet</i>
	Lab	Laboratory Report Workshop.

Week 8

Tue (10/8)	Lecture	Quiz 3 (epoxides),
	Concepts	Chapter 16 – Conjugated Pi Systems and Pericyclic Reactions
	Reading	Conjugated dienes and MO's of pi systems, Diels-Alder reaction
	Homework	Klein: Sections 16.1-16.5 <i>Diels Alder Worksheet</i>
	Due	<i>Mechanism Exercises 1 and 2</i>
	Lab	The Grignard Reaction: Preparation of Triphenylmethanol. (Exp 33, 33A)
Thu (10/10)	Lecture	Chapter 16 – Conjugated Pi Systems and Pericyclic Reactions
	Concepts	Electrocyclic reactions and sigmatropic rearrangements, UV/Vis spectroscopy.
	Reading	Klein: Sections 16.6-16.10 Practically Speaking: Sunscreens (p. 739) For homework problem 16.72, look up the natural product "gelsemine" which is one of the <i>Gelsemium Alkaloids</i> .
	Homework	Klein: 16.31, 16.34, 16.37, 16.40, 16.43 (find the error in 16.43c), 16.44, 16.51, 16.52, 16.54, 16.63, 16.72 (difficult), ACS-style problems: 16.74-16.76 (don't turn these in)
	Due	<i>Chapter 12, 13 homework, Final draft of Dehydration lab,</i>
	Lab	The Grignard Reaction: Preparation of Triphenylmethanol. (Exp 33, 33A, Full report)