

Agenda 3, 3/6 to 3/15/18

Week 7

Tue (3/6)	Lecture Concepts Reading	Chapter 5 – Stereoisomerism Configurations (<i>R/S</i>), optical activity, enantiomers and diastereomers Klein: Sections 5.1-5.6 Practically Speaking: The Sense of Smell (p. 188); Medically Speaking: Chiral Drugs (p. 194)
	Homework	Klein: 5.34, 5.36, 5.38, 5.49, 5.50, 5.56, 5.62 (repeated from Agenda 3) <i>Stereochemistry Worksheet</i> (handout) (repeated from Agenda 3) <i>Chemistry Drawing Software for Organic Chemistry. Here's What's Free (mostly) and Useful.</i> (handout)
	Lab	Simple and Fractional Distillation (<i>Pavia 7</i>) Gas Chromatographic (GC) Analysis of Distillates (handout)
Thur (3/8)	Lecture Concepts Reading Lab	Chapter 5 – Stereoisomerism Quiz 5 (Chapter 5, first portion) Optical activity, polarimetry, symmetry and chirality, Fischer projections, dynamic stereochemistry, resolutions. Klein: Sections 5.7-5.9 Simple and Fractional Distillation (<i>Pavia 7</i> ,) Gas Chromatographic (GC) Analysis of Distillates (handout) (combined with <i>Pavia 7</i> , partial report)

Week 6

Tue (3/13)	Lecture Concepts Reading	Chapter 6 – Chemical Reactivity and Mechanisms Thermodynamics, equilibrium, and kinetics Klein: Sections 6.1-6.7
	Due	Chapter 5 Homework, Stereochemistry Worksheet, Distillation/GC lab
	Lab	Chromatography (<i>Pavia 6</i> , template)
Thur (3/15)	Lecture Concepts Reading Homework	Chapter 6 – Chemical Reactivity and Mechanisms Drawing mechanisms – electron pushing Klein: Sections 6.8-6.11 Klein: 6.40, 6.43, 6.47, 6.49, 6.54, 6.61 <i>Reaction Energy Diagram Worksheet</i> (handout)
	Lab	High Pressure Liquid Chromatography (HPLC) Analysis of caffeinated in Tea (handout, Technique 21, partial report)