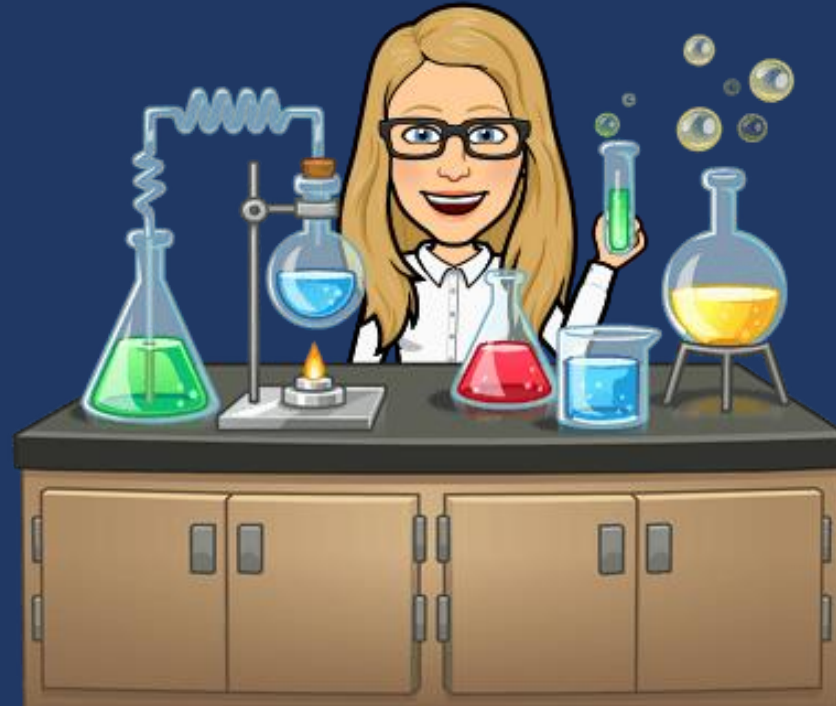


For clicker question voting, go to:
<https://pollev.com/lauriestarke263>



Dr. Laurie S. Starkey

Cal Poly Pomona, Fall 2024

CHM 3150 Organic Chemistry II

Welcome!

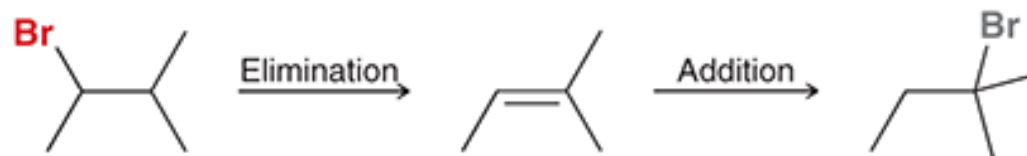
Today's Topic: Synthesis! (Chapter 11)



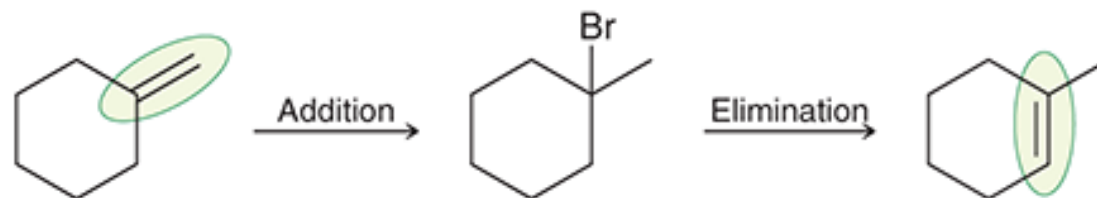
SKILLBUILDER REVIEW

11.1 CHANGING THE IDENTITY AND/OR POSITION OF A FUNCTIONAL GROUP

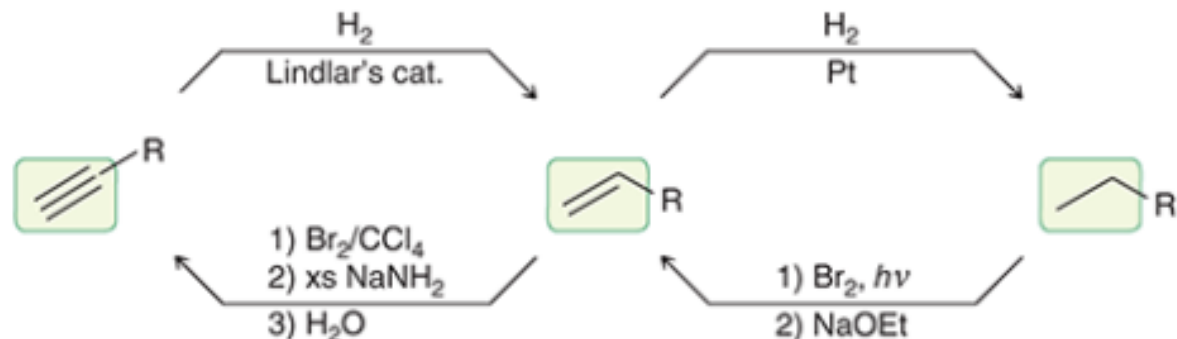
Changing the position of a halogen.



Changing the position of a π bond.



Interconverting between single, double, and triple bonds.



Recipes for Disaster


Tracking Our Progress

CHM 3150 Organic Chemistry II, Dr. Laurie S. Starkey, Spring 2024
Tentative Schedule (Chapter and *Worksheet/Step* # given for each day)


Week	Mon	Tues	Wed	Thurs	Fri
1	1/22	1/23* Review 7-11 #1	1/24	1/25* Review 7-11 #2	*CEA strike: no class Week 1
2	1/29	1/30 Ch. 12 #1	1/31	2/1 Ch. 12 #2	2/2
3	2/5 You are here	2/6 Ch. 12 #3	2/7	2/8 Ch. 13 #1	2/9
4	2/12	2/13 Ch. 13 #2	2/14	2/15 Ch. 13 #3	2/16
5	2/19	2/20 Ch. 19 #1	2/21	2/22 Exam I	2/23

Check Canvas for weekly activities

Step 1 (i.e., Day 1):

- 
- [Introduce yourself on Padlet](#) [↗] with a photo (of you, or your avatar, or your pet, or your family, or a favorite vacation, or your favorite food...) *Objective: Build Community!*
 - Read Klein 11.1 (VitalSource eText or through [WileyPLUS](#) [↗])
 - Attend 1st day of class <https://cpp.zoom.us/j/86727348111> [↗] (see [course homepage](#) [↗] for worksheet)
 - Suggested textbook problems for review: 7.76, 7.77, 8.42, 8.43, 9.36, 9.37, 9.41, 10.23

Step 2 (i.e., Day 2):

- 
- Read Klein 11.2-11.5
 - Attend synchronous problem-solving session <https://cpp.zoom.us/j/86727348111> [↗] (see [course homepage](#) [↗] for worksheet)
 - Work through **SkillBuilders** 11.1, 11.2, 11.3, 11.4
 - Watch *before attending problem-solving session* [Educator](#) [↗] **Section 12 - Org. Synthesis Strategies**
 - Intro to Organic Synthesis (0-6 minutes)
 - Alkyl Halides (26:06-39:25)
 - Alkynes (1:13:09-1:20:51)

Handouts, Resource Links are on our Course Homepage
<https://www.chemistryconnected.com/courses/CHM3150>

Dr. Starkey's CHM 3150 - Organic Chemistry II

[Syllabus \(Course Points\)](#) | [Semester Schedule](#) | Dr. Starkey's [welcome video](#) and current [daily schedule](#)

CHM 3150 Course Links

- [TuTh Synchronous problem-solving sessions](#) (Zoom ID 867 2734 8111)
- [Office Hours Zoom \(I am here to help!\)](#)
- [Calendly](#) (to sign up for office hours - not required, but helps me plan)
- [Gradescope](#) (log in with School Credentials)
- [Canvas](#) (for weekly activities)
- [WileyPLUS \(Course A17794\)](#) (eText, resources, online practice)
- [OLC rosters](#) (study group sign-ups)
- [Course Padlet](#) (meet your classmates!)
- [Discord server](#) (course Q&A, discussions)
- [Poll Everywhere](#) (for problem-solving sessions)
- [Educator.com](#) (lecture videos)

O-Chem Survival Handouts/Resources

- [What to Expect \(& student testimonials\)](#)
- [How to Earn an A](#)
- [Exam Study Hints](#) and [Study Cycle](#)
- [Chemistry is an extreme sport!](#) (fun video)
- [How to Get the Most Out of Studying](#) video series by Psychology Professor, Dr. Stephen Chew
- [Stress-Relief Toolkit](#) compiled by [CPP CAPS](#)

Lecture Notes, Clicker Questions are on our Course Homepage <https://www.chemistryconnected.com/courses/CHM3150>

Lecture Notes (for Educator lectures/Klein text) & Suggested Textbook Problems:

Chapter 11 - Synthesis/Review Textbook Problems/EOC	Chapter 12 - Alcohols Skeleton Lecture Notes Textbook Problems/EOC	Chapter 13 - Ethers Skeleton Lecture Notes Textbook Problems/EOC	<i>Exam I</i>
Chapter 19 - Aldehydes & Ketones Skeleton Lecture Notes Textbook Problems/EOC	Chapter 20 - Carboxylic Acids & Derivatives Skeleton Lecture Notes (IUPAC) Textbook Problems/EOC		<i>Exam II</i>
Chapter 21 - Enols & Enolates Skeleton Lecture Notes Textbook Problems/EOC	Chapter 17 - Aromaticity	Chapter 18 - Aromatic Reactions	
Chapter 16 - Conjugated Dienes Skeleton Lecture Notes			

Daily Worksheets, Announcements, Clicker Questions (and Zoom recordings): CHM 3150 Semester Schedule (Poll Everywhere)

Week 1	Week 2	Week 3	Week 4	Week 5
Tu: WorksheetCh11-1 Th: WorksheetCh11-2	Tu: WorksheetCh12-1 Th:	Tu: Th:	Tu: Th:	Tu: Th: Exam I
Week 6	Week 7	Week 8	Week 9	Week 10
Tu: Th:	Tu: Th:	Tu: Th:	Tu: Exam II Th:	Tu: Th: