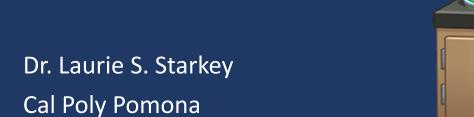
For clicker question voting, go to: https://pollev.com/lauriestarke263





CHM 3150 Organic Chemistry II 8/26/25

Daily To-Do

Flipped Lectures

In-Class Worksheets

Step 2

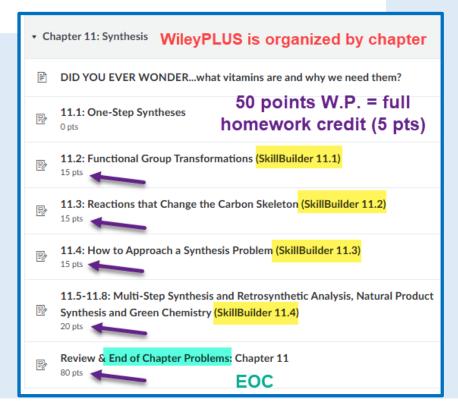
- Read Klein 11.2-11.5
- · Attend class
- Work through SkillBuilders 11.1, 11.2, 11.3, 11.4

Flipped Lecture video Chapter 11

WorksheetCh11-2

Today's Topic: Synthesis! (Chapter 11, Part 2)

- ✓ Watch
- ✓ Read
- ✓ Practice



Tracking Our Progress On Thursday: starting Chapter 12!

Weeks <u>0-4</u>

Chapter 11 Synthesis/Review Chapter 12
<u>Alcohols</u>

Chapter 13
Ethers & Epoxides

Exam I

CHM 3150 Organic Chemistry II, Dr. Laurie S. Starkey, Fall 2025

Tentative Schedule (Chapter and Worksheet #)

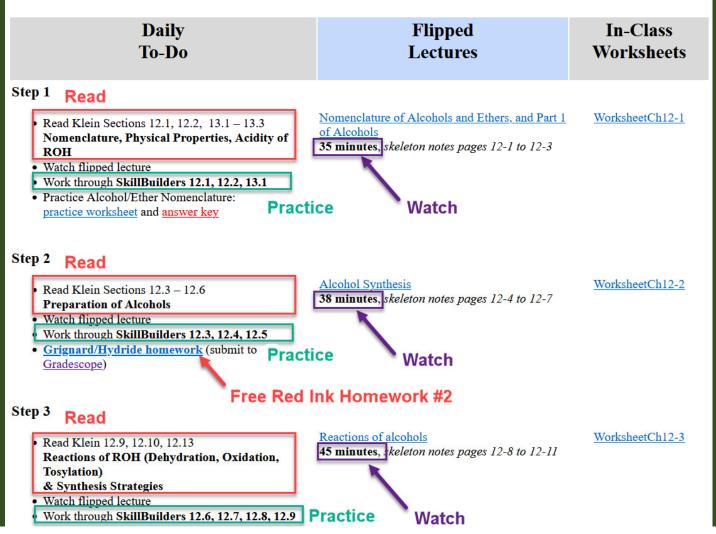
Week	Mon	Tues	Wed	Thurs	Fri
	8/18	8/19	8/20	8/21	8/22
0	You	are here		Review 7-11 #1	
	8/25	8/26	8/27	8/28	8/29
1		Review 7-11 #2		Ch. 12 # 1	
	9/1	9/2	9/3	9/4	9/5
2	Holiday	Ch. 12 # 2		Ch. 12 #3	
	9/8	9/9	9/10	9/11	9/12
3		Ch. 13 # 1		Ch. 13 #2	
	9/15	9/16	9/17	9/18	9/19
4		Ch.13 #3, Review		Exam I	

Check course homepage for weekly activities

Watch lectures *before* attending problem-solving session

Chapter 12 - Alcohols

skeleton notes | Ch. 12 summary | SkillBuilder/EOC Cover Sheet



Bookmark CHM 3150 Course Homepage!

https://www.chemistryconnected/courses/CHM3150

Daily Worksheets, Announcements, Clicker Questions CHM 3150 Semester Schedule Week 0/1 Week 2 Week 3 Week 4 Th: WorksheetCh11-1 | 411 Tu: ReviewWorksheet 1 2 3 recording 8/22 Tu: WorksheetCh12-2 Tu: WorksheetCh13-1 Review session 9/17, 9 pm Tu: WorksheetCh11-2 Th: WorksheetCh12-3 Th: WorksheetCh13-2 Th: Exam I -9/19 missed class? watch the recording! Th: WorksheetCh12-1



OLC Rosters

Groups are forming!

- Add your name, or...
- Post to Discord, or...
- Canvas discussion board

CHM 3150 Course Links

- Gradescope (log in with School Credentials)
- <u>WileyPLUS</u> (eText, resources, online practice)
- Office Hours Zoom (Mondays) (what to expect)
- OLC rosters (study group sign-ups)
- Course Padiet (meet your classmates!)
- Discord server (invite link) (course Q&A, discussions)
- Poll Everywhere (for problem-solving sessions)
- Canvas (does NOT reflect your current grade!!)

Once you have formed a CHM 3150 Organic Learning Community (OLC), please make sure you're signed in with your CPP credentials, then click on "Edit Document/ Edit in Browser" button, select an open box below, and enter the names of your OLC members. OLC #1 has been created as an example.

Want to give your group a name? Group names are optional and can be added at any time.

Looking for a group? Contact members of an existing group or start an OLC by putting your name in an empty box, or posting a message on Discord. Perhaps you can add some comments about your availability, your major, etc.

Remember, each OLC group ideally has 3-4 people in it.

OLC participants will earn up to 10 points if they:

- 1. Meet with OLC for at least one hour each week; AND
- Record your activities after each meeting (every student submits their own weekly "OLC Report" <u>Gradescope</u> assignment; a minimum of 10 entries required to receive full credit)

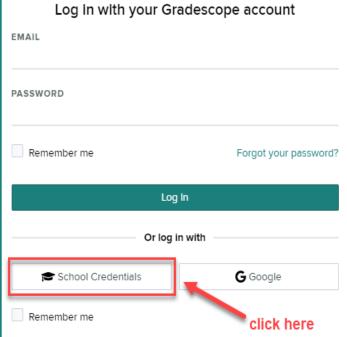
OLC #1	OLC #2	OLC #3	OLC #4
Guardians of the O-Chem Galaxy Laurie Starkey H. Jon Benjamin Taika Waititi	Shamya Wilson Blanca Reed Kassandra <u>lopez</u>	Thinh Le Wendy Pham	Your name here!
Rosario Dawson OLC #5	OLC #6	OLC #7	OLC #9

Take a picture each week for OLC report, via Gradescope. Ten or more OLC meetings earns maximum credit (10 points).

Gradescope: First 3 assignments are posted

log in with *School Credentials*





FridayFive and OLC Reports are due every week – set a reminder!

CHM 3150 Organic Chemistry II, Cal Poly Pomona, Dr. Laurie S. Starkey Homework #1 20-Question Review, Chapters 7-10

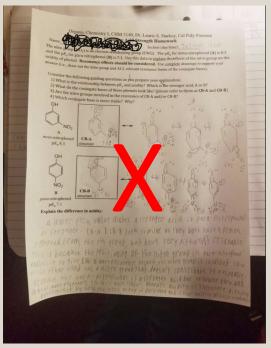
Name:	Section (day/time):

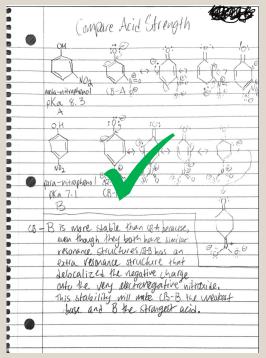
- On blank pieces of paper, draw out the following twenty textbook problems (Klein-Starkey, 5th edition) and solve them. Do not just write down the answers.
 - 7.76acef, 8.42ac, 8.43a-f, 9.41bcd, 9.52bc, 10.19abc
- Check your answers in the Student Solutions Manual (SSM), and make corrections to your work.
 You are encouraged to work with a study group, but your review of the material is worthwhile only if you attempt the problems before checking the SSM!
- Use Genius Scan to create a PDF of your homework the app automatically crops pages to 8.5x11, but be sure to apply the black & white filter
- Submit to Gradescope you must select the page(s) of your submission that correspond to each problem in Gradescope (on which page(s) can I find problems 7.76acef, and on which page(s) can I find Ch. 8 problems?)

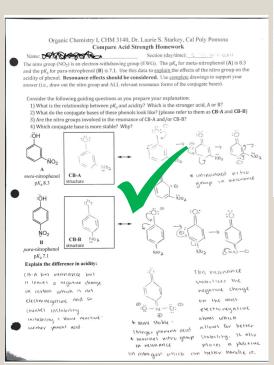
======= Simply copying answers from solutions manual will not earn full credit! ========

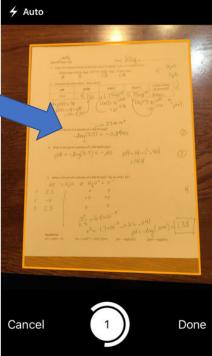
20-Question Review, Ch 7-10 "Free Red Ink" Homework

Genius Scan – please use if your scanning app does not easily crop and apply black & white filter

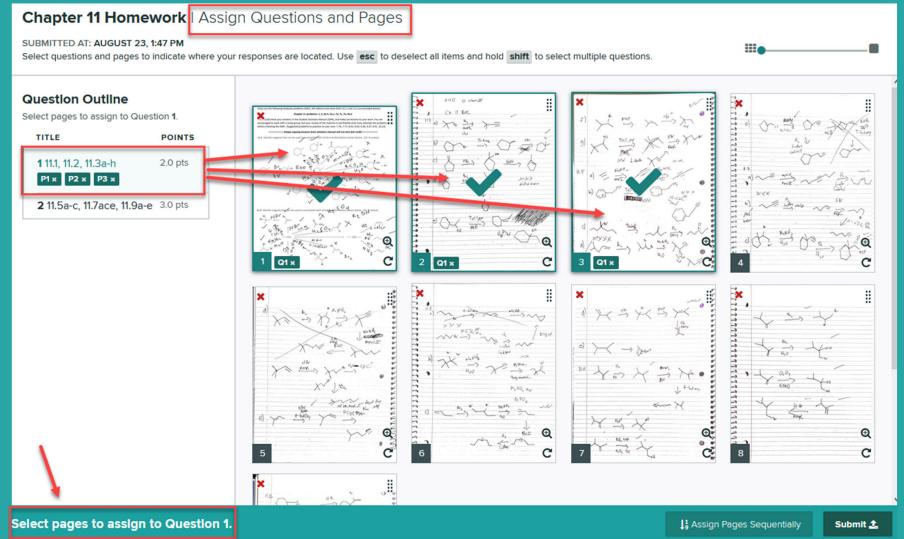




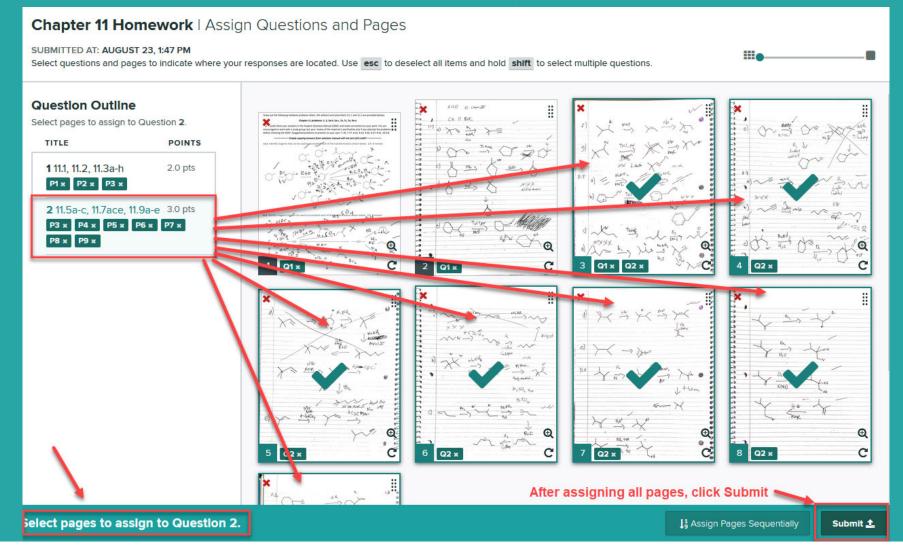




Gradescope – Upload PDF & Assign Pages



Gradescope – Upload PDF & Assign Pages



500 Total Course Points

Exam I assignments*		Exam II assignments*		Exam III assignments*		
WileyPLUS/textbook		WileyPLUS/textbook		WileyPLUS/textbook		
SkillBuild/EOC Ch. 11	5	SkillBuild/EOC Ch. 19	10	SkillBuild/EOC Ch. 21	10	
SkillBuild/EOC Ch. 12	10	SkillBuild/EOC Ch. 20	10	SkillBuild/EOC Ch. 17	5	
SkillBuild/EOC Ch. 13	10			SkillBuild/EOC Ch. 18	10	Homework
						Course Points
"Free Red Ink" Homework		"Free Red Ink" Homework		"Free Red Ink" Homework		125 (25%)
Ch. 7-10 Review (20 Qns)	5	Alcohol synthesis	5	Messy Aldol	5	1 ` '
Grignard Predict	5	Acetal mechanism	5	Biphenyl EAS	5	*assignments due no later
Epoxide predict/mechanism	5	Hydrolysis predict/mech.	5	FC alkylation	5	than date of each exam
' ' '		ArOH acidity	5	Diels-Alder	5	ĺ
		,				
	40		40		45	
				Exam Wrappers	8	Study/Reflection
Friday Fives (4 pts each)	52	OLC reports (1 pt each)	10	(4 pts each, drop one)		Course Points
(13+ earns max. credit)		(10+ reports earns max. credit)		Exam Corrections	8	
				(4 pts each, drop one)		75 (15%)
						` ,
Midterm Exams x3				Final Exam		Midterms: 200 (40%)
20	0	(100 pts each, drop lowest)		100)	Final: 100 (20%)

Suggested Textbook Problems? see "EOC/SkillBuilders" Handout

Suggested Ch. 11 problems (be sure to work on synthesis problems by hand – on paper!)

In-Chapter Problems (includes SkillBuilders 11.1-11.4)

		508	WASHINGTON TO	(

11.3 a-f

11.7 a-f

11.9 a-f

11.2

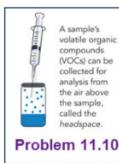
11.1

11.4

11.6

11.8

11.10



End-of-Chapter (EOC) Problems

11.11 a–d	11.17	11.22	11.29
11.12 а-е	11.18 а-е	11.23	11.30
11.13 ab	11.19 ab	11.26	11.31
11.14	11.20 a-d	11.27	11.32
11.15 a-d	11.21 а-е	11.28	11.39

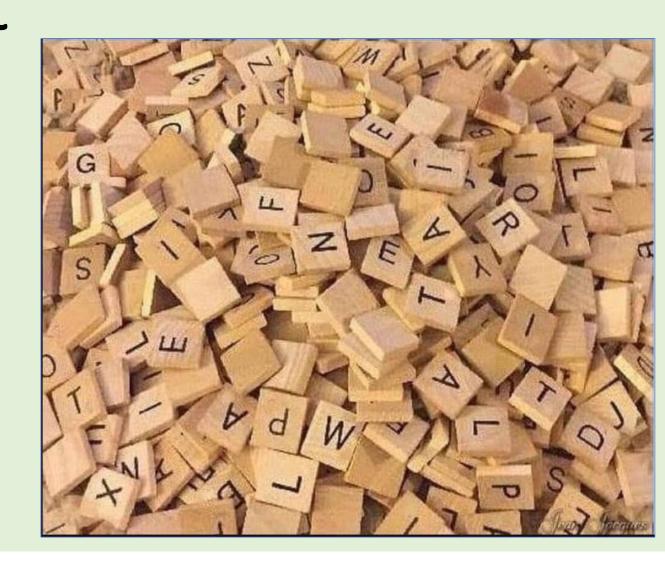


Problem 11.8

Colonies of L. magnifica avoid becoming fish food by producing a deadly toxin. If the sponge is squeezed, the smelly, red fluid that is released causes fish to flee.



I just bought a book from IKEA...



Speaking of IKEA...

Student (after failing Exam I): Can I come to office hours? I really need help with resonance!

Dr. Starkey: Of course! Chapter 2 is all about resonance.

How much of Chapter 2 did you read?

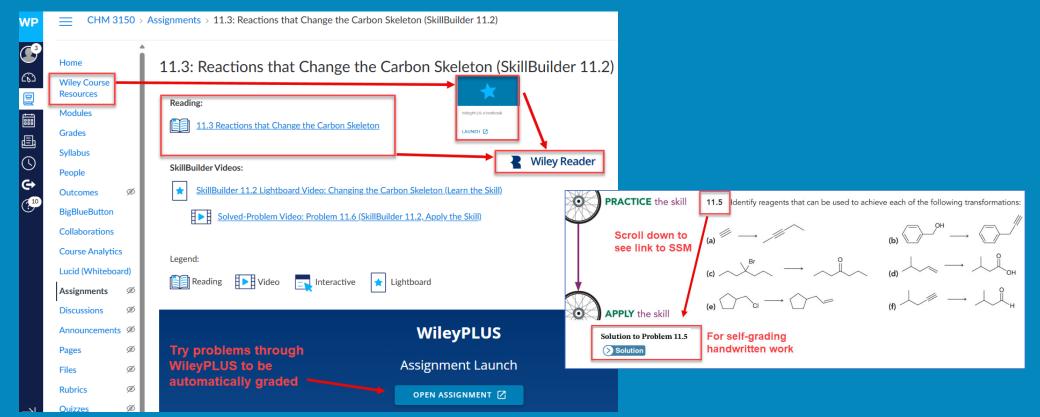
Student: I didn't read Chapter 2.

Dr. Starkey: I think I've diagnosed the problem...

Don't try to build IKEA furniture without a manual, and don't try to learn Organic Chemistry without reading the textbook!

BILLY

Where is my textbook? Use WileyPLUS or Wiley Reader app



Step 1 Read

- Read Klein Sections 12.1, 12.2, 13.1 13.3
 Nomenclature, Physical Properties, Acidity of ROH
- Watch flipped lecture
- Work through SkillBuilders 12.1, 12.2, 13.1
- Practice Alcohol/Ether Nomenclature: practice worksheet and answer key

Practice

Why do I need a textbook?!

Step 2 Read

- Read Klein Sections 12.3 12.6
 Preparation of Alcohols
- Watch flipped lecture
- Work through SkillBuilders 12.3, 12.4, 12.5
- Gradescope) Gradescope) Gradescope

Don't attempt to build IKEA furniture without the instruction booklet!