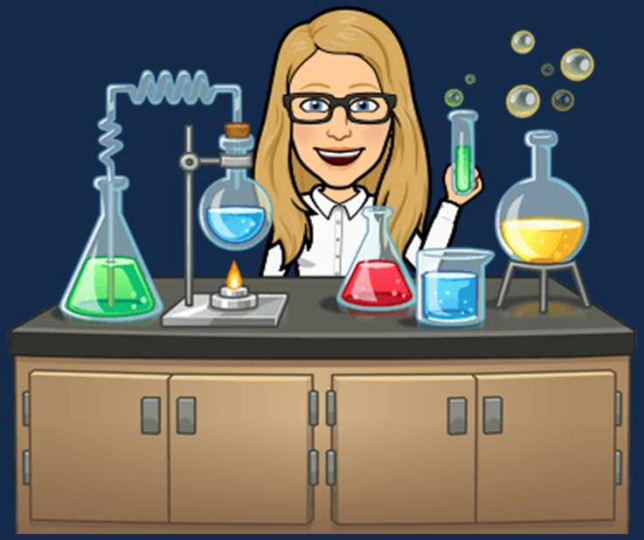
For voting, go to: https://pollev.com/lauriestarke263
or text LAURIESTARKE263 to 37607 to join poll



Dr. Laurie S. Starkey

Cal Poly Pomona

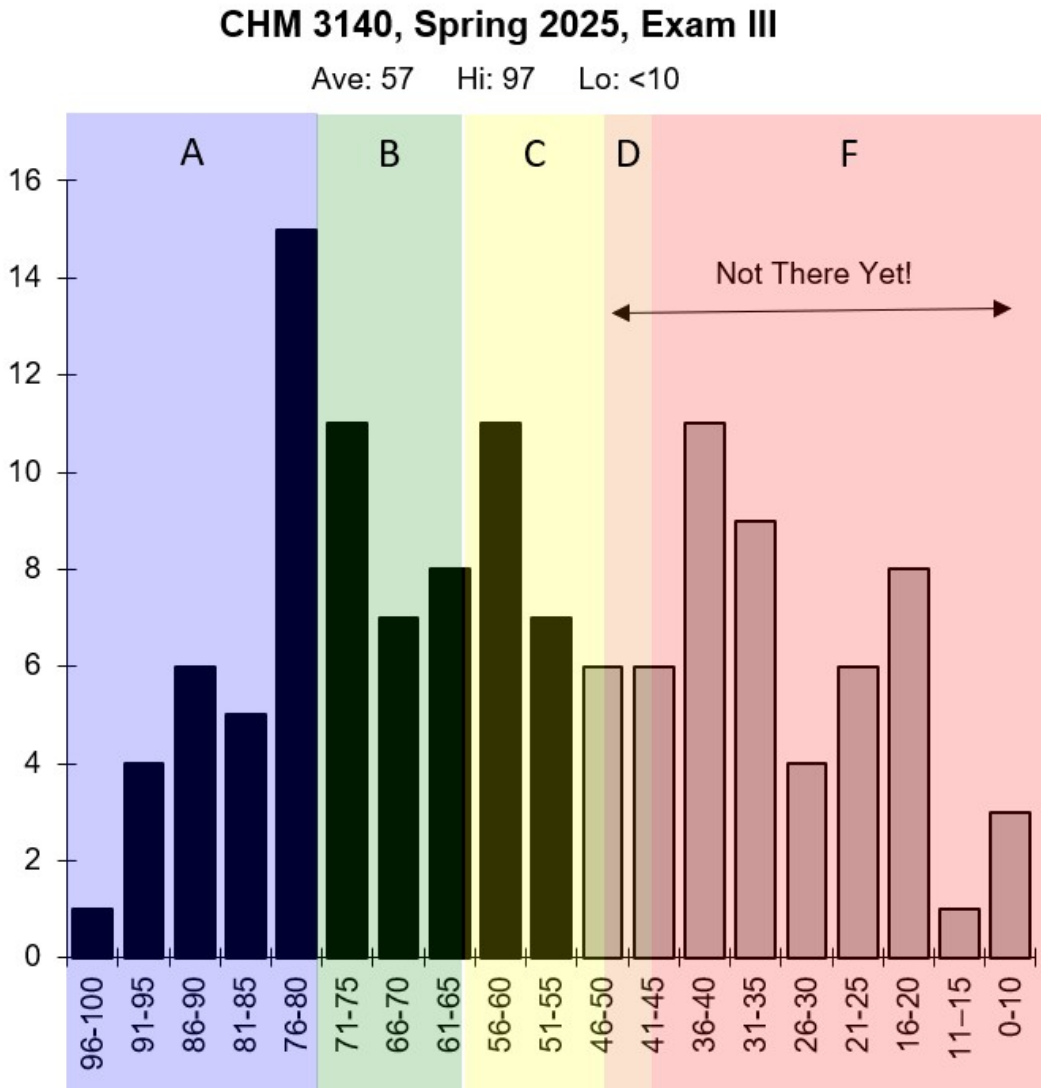
CHM 3140 Organic Chemistry I
Announcements 4/24/25

Exam III Results

A/B/C… ranges are to give you a rough idea of your course grade **based only on this exam score + max. homework**

200 of 300 total Exam points are complete.

Grade going into 100-point final: average of your top two midterms!



Exam Wrapper Survey

If you submitted wrappers for Exams 1 & 2, then you've earned max. 16 points reflection credit

FridayFives (4 pts each)	52	**OLC reports** (1 pt each)	10	**Exam Wrappers** (4 pts each, drop one)	8	*Friday5 and OLC reports are due every week (firm due dates)*	**Study/Reflection Course Points**
(13+ reports earns maximum credit)		*(10+ reports earns maximum credit)*		**Exam Corrections** (4 pts each, drop one)	8		**75 (15%)**

(if missing a wrapper for Exam 1 or 2)

due 5/13

CHM 3140 Exam Wrapper - Post-Test Survey (Due 5/2/21) Name:_____

Metacognition By taking a step back and thinking about the way you learn, you can improve your learning! The following survey will guide you through an exercise in self-reflection, with the goal of improving your performance on the next exam. You will earn 3 points credit if you complete this survey, and 3 points for corrections (*include written reflection, if score <55). It analyzes the following three areas

1. How did you prepare for this exam?
2. What kinds of mistakes did you make?
3. How will you prepare differently next time?

** If exam score is below 55, you must submit a written reflection with your exam corrections (what will you do differently to prepare for the final exam?*

What was your score* on the exam? ☐

1. Leading up to the exam, approximately how many hours per week outside of class (on average) did you spend studying Organic Chemistry? ☐

2. Given the approximate # of textbook problems in each chapter (#), about how many did you work on?

Ch. 6 (# problems) **(Chemical Rxns)**		**Ch. 7-1** (# problems) **(Substitution Rxns)**		**Ch. 7-2** (# problems) **(Elimination Rxns)**	
6 SkillBuilders (**28**)		3 SkillBuilders (**31**)		6 SkillBuilders (**54**)	
End-of-Chapter (EOC) (**33**)		EOC (**20**)		EOC (**53**)	

How did you work on textbook problems?

CHM 3140 Distribution of Course Points (500 Total)

Exam I assignments*		Exam II assignments*		Exam III assignments*		Final assignments*		
SkillBuilder/EOC Ch.1	7	SkillBuilder/EOC Ch.4	8	SkillBuilder/EOC Ch.6	5	SkillBuilder/EOC Ch.8	12	
SkillBuilder/EOC Ch.2	7	SkillBuilder/EOC Ch.5	8	SkillBuilder/EOC Ch.7-1	8	SkillBuilder/EOC Ch.9	5	**Homework Course Points**
SkillBuilder/EOC Ch.3	7	SkillBuilder/EOC Ch.15	5	SkillBuilder/EOC Ch.7-2	8	SkillBuilder/EOC Ch.10	5	
						SkillBuilder/EOC Ch.11	5	
"Free red ink" homework		*"Free red ink" homework*		*"Free red ink" homework*				**125 (25%)**
3D Sketch	3	Newman Proj.	3	NMR Spectra x3	3	*"Free red ink" homework*		
Resonance	3	Canvas quiz - R/S	3	Sn1 v Sn2	3	Alkene Predict #1	4	**assignments due no later than date of each exam*
Acid Strength	3	Canvas quiz - Compare	3	Alcohol Dehydrate	3	Alkene Predict #2	4	
							35	
	30		30		30			

FridayFives (4 pts each)	52	OLC reports (1 pt each)	10	Exam Wrappers (4 pts each, drop one)	8	**Study/Reflection Course Points**
(13+ reports earns maximum credit)		*(10+ reports earns maximum credit)*		Exam Corrections (4 pts each, drop one)	8	*Friday5 and OLC reports are due every week (firm due dates)* **75 (15%)**

Midterm Exams x3			Final Exam		
	200	(100 pts each, drop lowest)		100	*150 point final points will be scaled down to 100 max (150 x 0.66)*
or	150	(75 pts each, drop lowest)		150	*if that improves your grade*

Midterms: 200 (40%)
Final: 100 (20%)
or
Midterms: 150 (30%)
Final: 150 (30%)

New Course Grade Option!!

Today's Topic: Reactions of Alkenes (Ch. 8)

Daily To-Do	Flipped Lectures
Step 2	
• Read Klein sections 8.9, 8.10, 8.12-8.15 *SKIP Section 8.11 and SkillBuilder 8.7 (Anti-Dihydroxylation)* • Watch flipped lectures • Work through **SkillBuilders 8.5 - 8.12**	• Part 2 - Reactions of Alkenes - Part 2 **65 minutes**, *pages 8-9 to 8-14 SKIP last part (Radical Addition to Alkenes) - we will come back to this later, in Chapter 10*
• **Alkene Predict the Product I** **Homework** (in Gradescope - *can be submitted late with no penalty, up until date of Final Exam*)	
• Work on suggested **Chapter 8 EOC problems** on WileyPLUS (auto-graded) and/or on paper (self grade, using Solutions Manual).	

Chapter 8

✓ **Watch**

✓ **Read**

✓ **Practice**

Flipped Lectures

Anti addition of Br-Br & Br2/water

Reduction of Alkenes & Alkynes

Oxidation Reactions

Chapter 8 Assignments

Suggested Ch. 8 problems *Mechanisms (good to work on by hand, self-correct w/Solutions Manual)

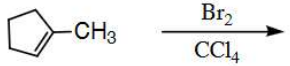
47abdefg	60	74	87
48	61	75a-d	88
49	63*	76ab	
50	64a-d	77ab	
51a-d*	65a-c	78*	
52	66	79*	
53ab	67a-d	80	
54	68*	81	
55	69	82	
56	70	83	
57a-d	71	84	
58	72	85	
59	73	86	

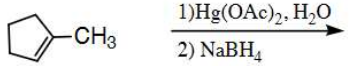
Final assignments*	
SkillBuilder/EOC Ch.8	12
SkillBuilder/EOC Ch.9	5
SkillBuilder/EOC Ch.10	5
SkillBuilder/EOC Ch.11	5
"Free red ink" homework	
Alkene Predict #1	4
Alkene Predict #2	4

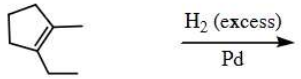
California State Polytechnic University, Pomona
Organic Chemistry I, CHM 3140, Dr. Laurie S. Starkey
Alkene/Alkyne Predict the Product

Name:_____

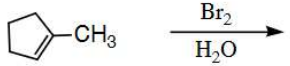
Predict the major product(s) expected for each of the following stereochemistry, when appropriate. If no reaction is expected,

A) 

B) 

C) 

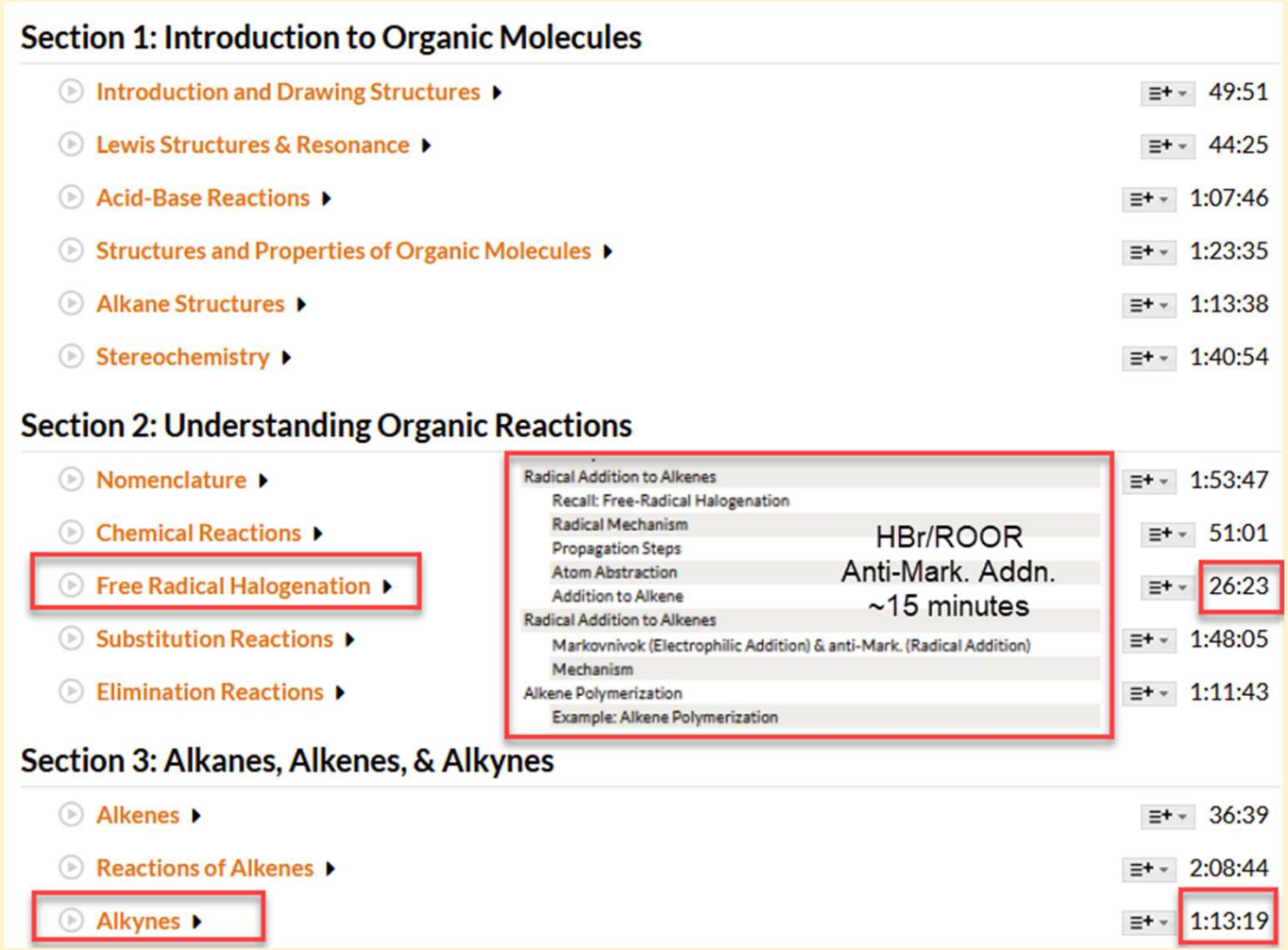
D) 

E) 

Chapter 8 - Alkenes

- Introduction & Nomenclature (Conc.Chkpt. 8.1-8.4, SkillBuilder 9.1) — Due May 18 at 11:59pm | -/8 pts
- Addition of HX: Hydrohalogenation (SkillBuilders 8.1 & 8.2) — Due May 18 at 11:59pm | -/13 pts
- Addition of H2O (SkillBuilders 8.3 & 8.4) — Due May 18 at 11:59pm | -/14 pts
- Addition of Br2 or Cl2 (SkillBuilder 8.6) — Due May 18 at 11:59pm | -/6 pts
- Catalyic Hydrogenation (SkillBuilder 8.5) — Due May 18 at 11:59pm | -/4 pts
- Oxidation Reactions — Due May 18 at 11:59pm | -/10 pts
- Summary and Synthetic Strategies — Due May 18 at 11:59pm | -/16 pts
- Chapter 8 EOC — Due May 18 at 11:59pm | -/79 pts

Last Three Lessons of CHM 3140!



Ch. 8 **Reactions of Alkenes**
Ch. 9 **Reactions of Alkynes**
Ch. 10 **Radical Reactions** (fr
Ch. 11 **Synthesis Strategies** (