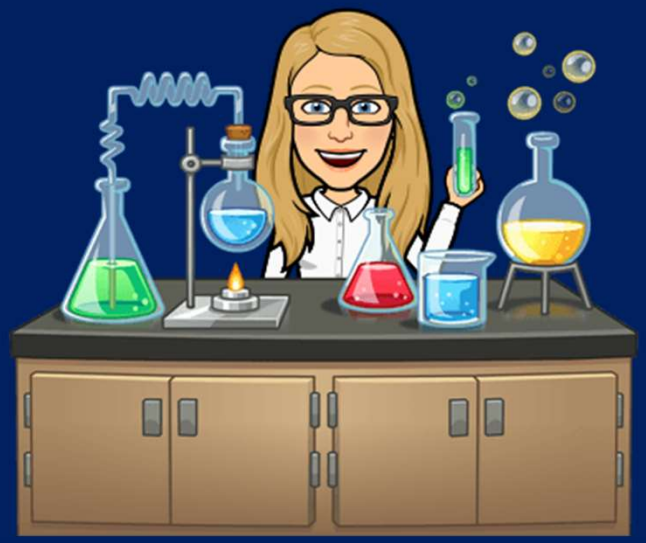
For voting, go to: https://pollev.com/lauriestarke263
or text LAURIESTARKE263 to 37607 to join poll



Dr. Laurie S. Starkey

Cal Poly Pomona

CHM 3140 Organic Chemistry I
Announcements 1/28/25

Physical Properties **(Chapter 1, Step 3)**

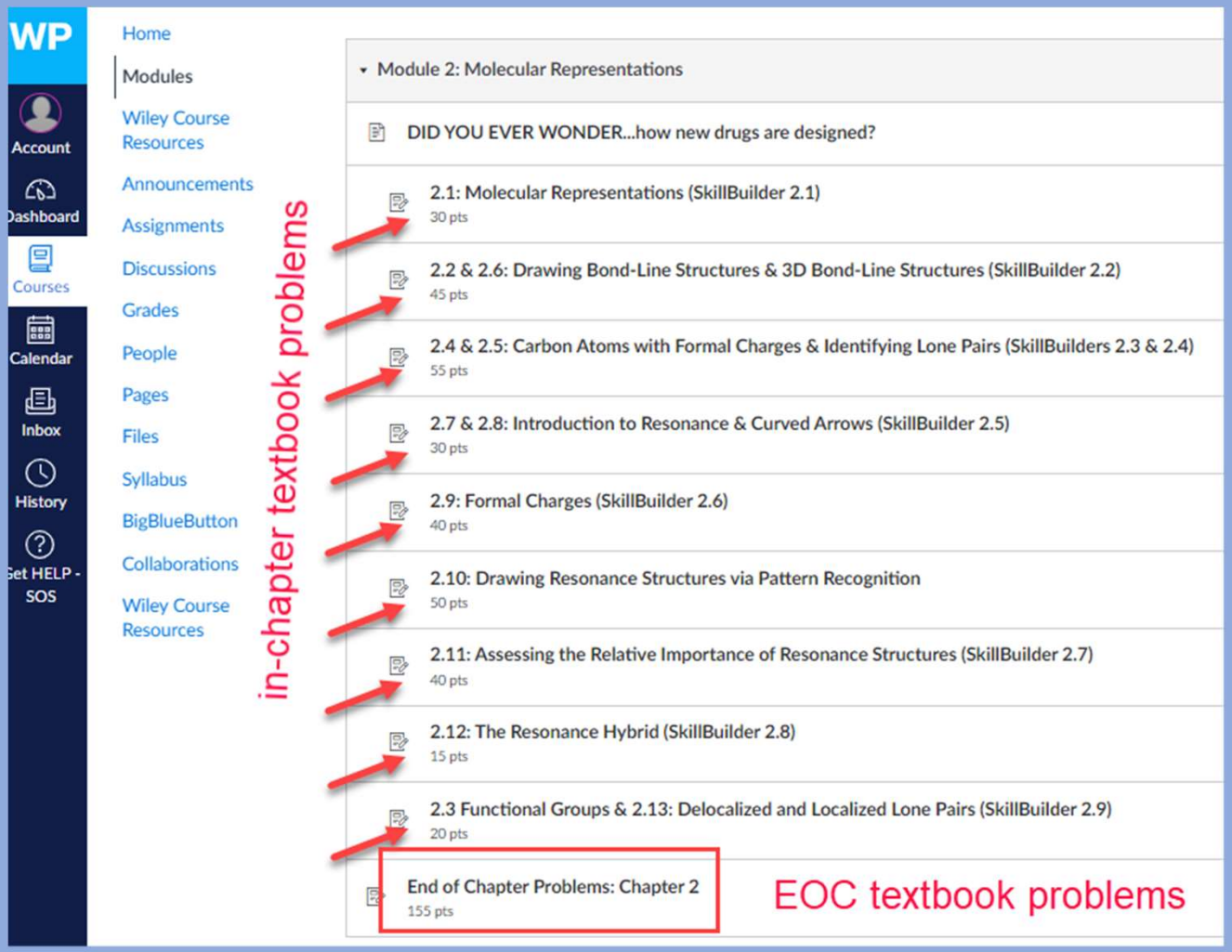
Today's Topics

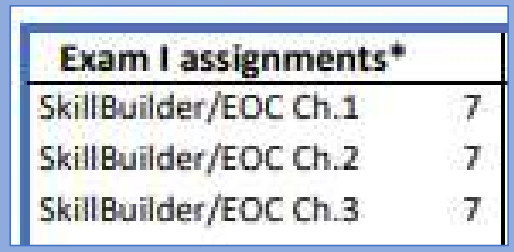
Daily To-Do	Flipped Lectures
Step 3 Read • Read Klein Sections 1.12 – 1.14 • Watch flipped lecture • Work through **SkillBuilders 1.9 and 1.10** • Work on suggested **Chapter 1 EOC problems** or WileyPLUS (auto-graded) and/or on paper (self grade, using Solutions Manual). Practice	Part 5 - Physical Properties of Organic Molecules **40 minutes**, *skeleton notes pages 1-8 to 1-10* Watch

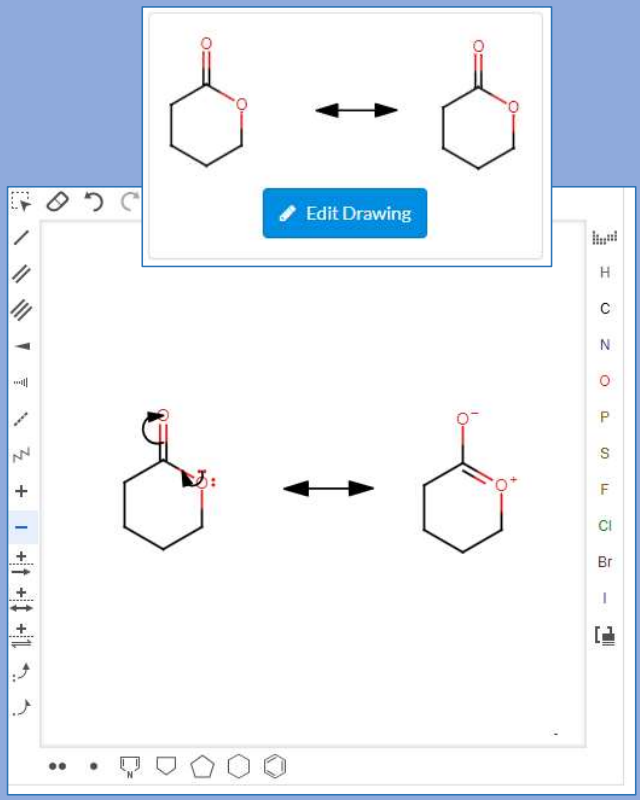
Molecular structure review: line drawings, lone pairs, charges **(Chapter 2, Step 1)**

Daily To-Do	Flipped Lectures
Step 1 Read • Read Klein Sections 2.1, 2.2, 2.4, 2.5, 2.6 • Watch flipped lectures (Parts 1 & 2) • Work through **SkillBuilders 2.1, 2.2, 2.3, 2.4** Practice	Part 1 - line drawings, formal charges and lone pairs **25 minutes**, *skeleton notes pages 2-1 and 2-2* Part 2 - Drawing Lewis Structures **22 minutes**, *skeleton notes page 1-4* Watch

Textbook problems: work on by hand, or through WileyPLUS







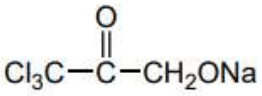
California State Polytechnic University, Pomona
Organic Chemistry I, CHM 3140, Dr. Laurie S. Starkey
Lewis Structure and 3-D Sketch Homework

Name:_____ Section: _____ (day/time)

For each of the following compounds, draw a 3-dimensional sketch, using dashes and wedges. **Position the molecule such that the maximum number of atoms are located in the plane of the page.** Be sure to show all atoms (no line drawings), to draw pi bonds (with sets of overlapping p orbitals) and to include the orientation of lone pairs of electrons on oxygen and nitrogen.

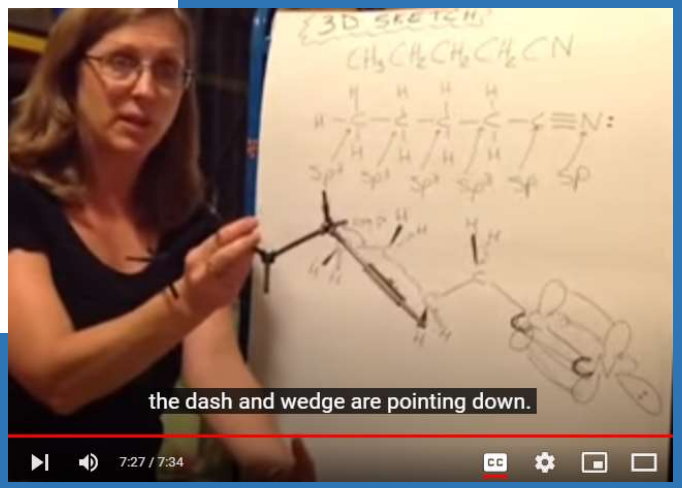
$CH_3CH_2CH_2CH_2CN$

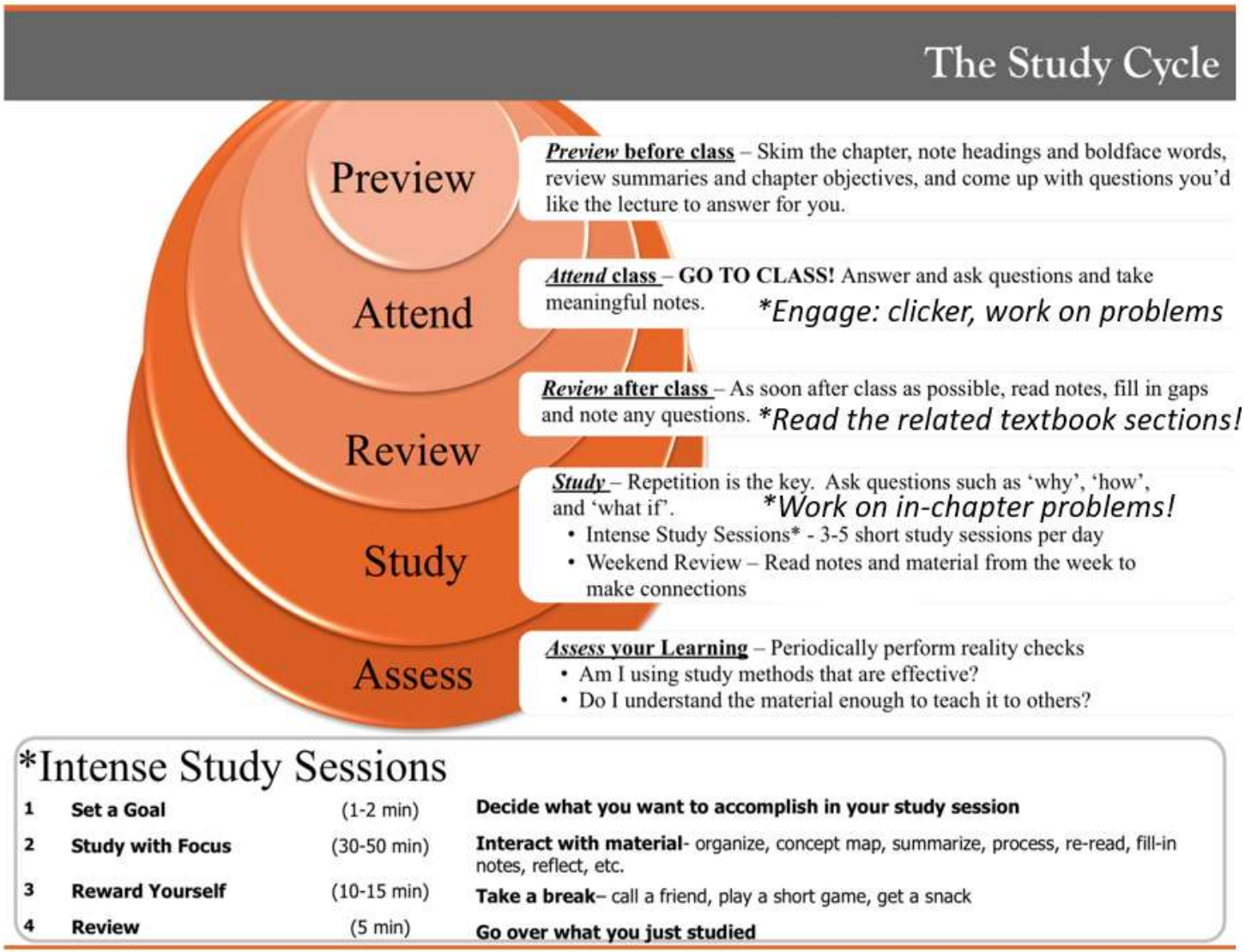
$CH_3CHCHCHO$



3D Sketch "Free Red Ink" Homework due Fri. 1/31

Links to Answer Key and Video Solutions provided in Gradescope





Studying 1+ hour per day…

- Study spot?
- Distractions?
- Effective use of Study Time?

The Study Cycle as presented to the Louisiana State Univ. students seeking advice from the Center for Academic Success.
(*Notes added by Laurie Starkey)
Elzbieta Cook; Eugene Kennedy; Saundra Y. McGuire; *J. Chem. Educ.* **2013,** 90, 961-967.
DOI: 10.1021/ed300686h