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CHM 3150 Organic Chemistry II Announcements 11/20/25

Today's Topic: Chapter 16 Conjugated Dienes

Ch. 16 (Step 1)

- ✓ Watch
- ✓ Read
- ✓ Practice

Step 1

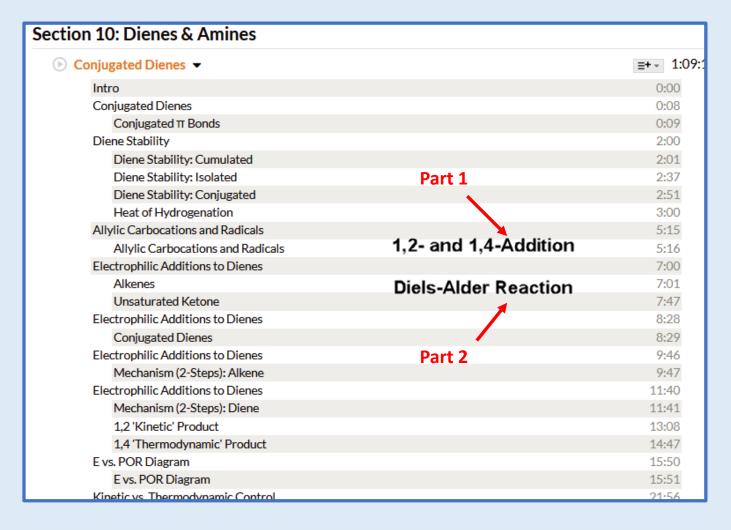
- Read Klein 16.1, 16.2, 16.3 for an overview of conjugated dienes (Molecular Orbital Theory will NOT be emphasized)
- Read Klein 16.4, 16.5 Electrophilic Additions and Thermodynamic/Kinetic Control
- Watch flipped lecture
- Work through SkillBuilders 16.1, 16.2 and Conceptual Checkpoints (problems 16.1 - 16.4 and 16.6 - 16.11)

Conjugated Dienes - Part 1

26 minutes

skeleton notes pages 16-1 to 16-3

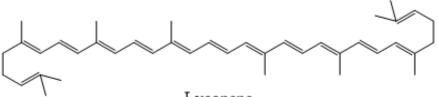
Flipped Lecture: Conjugated Dienes



Reminder: Chapter 16 will not be on Exam III Color Chemistry: Electronic Transitions

β-Carotene (orange plants - carrots)

 $\pi \longrightarrow \pi^*$ 454 nm (blue light absorbed)



Lycopene (red plants - tomatoes)





SO₃H



Chlorophyll (green plants) CH₃O

НО

Israeli Start-Up Phytolon has Produced a Biochemical Color Factory!

The genes that express these naturally occurring colored compounds were identified and then introduced to the DNA of baker's yeast. The modified yeast produces pigments that might be used someday as alternatives to synthetic dyes.

Cool Research Alert!

