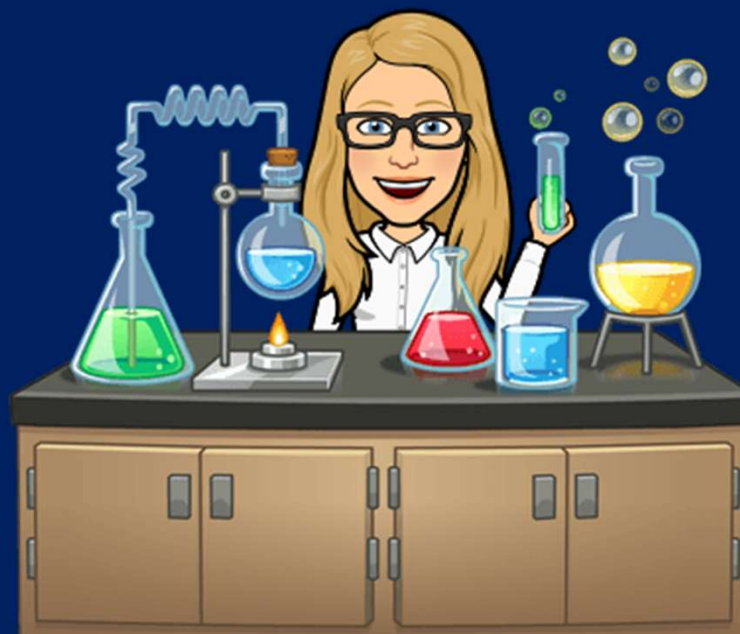


For clicker question voting, go to:
<https://pollev.com/lauriestarke263>



Dr. Laurie S. Starkey
Cal Poly Pomona

CHM 3150 Organic Chemistry II
9/9/25

Today's Topic:

Ch. 13 Synthesis of Ethers

Daily To-Do

Flipped Lectures

Step 1 **Read**

- Read Klein 13.5, 13.8 **Synthesis of Ethers and Epoxides (& Williamson Ether Synthesis)**
- Watch flipped lecture
- Work through **SkillBuilders** 13.2, 13.3
- Work on **Homework** Klein End-of-Chapter (EOC) problems

Practice

Structure, properties and preparation of ethers (Williamson ether synthesis), synthesis of epoxides

33 minutes, *pages 13-1 to 13-3*

Watch

Ch. 13 Synthesis of Ethers

Section 5: Ethers, Thiols, Thioethers, & Ketones

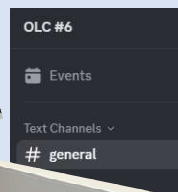
🔒 Ethers ▼

| | |
|--|-------|
| Intro | 0:00 |
| Ethers | 0:11 |
| Overview of Ethers | 0:12 |
| Boiling Points | 1:37 |
| Ethers | 4:34 |
| Water Solubility (Grams per 100mL H ₂ O) | 4:35 |
| Synthesis of Ethers | 7:53 |
| Williamson Ether Synthesis | 7:54 |
| Example: Synthesis of Ethers | 9:23 |
| Synthesis of Ethers | 10:27 |
| Example: Synthesis of Ethers | 10:28 |
| Intramolecular SN ₂ | 13:04 |
| Planning an Ether Synthesis | 14:45 |
| Example 1: Planning an Ether Synthesis | 14:46 |
| Planning an Ether Synthesis | 16:16 |
| Example 2: Planning an Ether Synthesis | 16:17 |
| Planning an Ether Synthesis | 22:04 |
| Example 3: Synthesize Dipropyl Ether | 22:05 |
| Planning an Ether Synthesis | 26:01 |
| Example 4: Transform | 26:02 |
| Synthesis of Epoxides | 30:05 |
| Synthesis of Epoxides Via Williamson Ether Synthesis | 30:06 |
| Synthesis of Epoxides Via Oxidation | 32:42 |

Synthesis of Ethers & Epoxides



OLC



Study Groups!

