

WEEK OF: January 11, 2021

CLASS: Organic Chemistry – E Block

TEACHER: Mrs. Burke

CONTACT INFO: Deborah.Burke@thedeltahighschool.com (contact via direct email, through Teams, and through Remind = DochemT2)

OBJECTIVES:

- Increase familiarity with functional groups: alcohols and ethers
- Name simple alcohols and ethers
- Develop lab skills: serial dilution
- Practice drawing models of organic chemicals

ZOOM LINKS:

Check TEAMS POSTS for link information (we will use Zoom if it is working, Teams if Zoom is unavailable).

YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #1:

Journal Entries:

Vocab: locant, parent chain, side chain
Descriptions of alkane, alkene, and alkyne functional groups
Drawings of octane isomers
Names of octane isomers

Resource Interactions:

Chemistry 2e [section 20.1 Hydrocarbons](#)
Khan Academy [video Naming Simple Alkanes](#)

Notes for:

Key Concepts
Example problem(s)
Questions

SYNCHRONOUS MEETING #1:

- Explore functional groups in sugars
- Naming simple alcohols
- Serial dilution lab explanation (dye)

YOUR RESPONSIBILITIES AFTER ZOOM #1:

- Have notes detailing the learning you've experienced toward meeting the objectives state above. Put these into your Teams > Class Notebook > Journal

YOUR ASYNCHRONOUS RESPONSIBILITIES AFTER ZOOM #1

- Do the serial dilution lab with dye

- Read Chemistry [2e section 20.2 Alcohols and Ethers](#)

YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #2:

- Complete journal notes for the reading assignment
- Come to office hours with your study group

SYNCHRONOUS MEETING #2:

- Naming practice – simple alcohols
- Naming simple ethers
- Serial dilution lab explanation (glucose)

YOUR RESPONSIBILITIES AFTER ZOOM #2:

- Have notes detailing the learning you've experienced toward meeting the objectives state above. Put these into your Teams > Class Notebook > Journal

YOUR ASYNCHRONOUS RESPONSIBILITIES AFTER ZOOM #2

- Do the serial dilution lab with glucose
- Work on naming practice worksheet
Watch Leah4Sci [video Naming Alcohols](#)

Journal Entries:

Vocab: primary, secondary, tertiary, serial
 Descriptions of alcohol and ether functional groups
 Drawing of glucose
 Lab description – dye dilution
 Lab description (with math) – glucose dilution

Resource Interactions:

1. Chemistry 2e [2e section 20.2 Alcohols and Ethers](#)
2. Leah4Sci [video Naming Alcohols](#)

Notes for:

Key Concepts
 Example problem(s)
 Questions

IDEAS FOR USING YOUR ASYNCHRONOUS TIME:

Study TOGETHER

Naming practice for simple hydrocarbons, branched hydrocarbons, alcohols, and ethers

Functional group (re)memorization

Carbon chain count prefix (re)memorization

Text reading

Video watching

Naming worksheet

Journal entries

[Naming branched hydrocarbons quiz](#)

DUE DATES:

- ALL Journal Entries – by Monday Jan 11th at 1 pm
- Quiz over hydrocarbon naming by Thursday Jan 14th at 10 pm

OFFICE HOURS:

11:45-12:45: Look in Teams Posts for Zoom link. Drop-in format. If you are taking this course for college credit, you are expected to attend office hours weekly. This is a good opportunity to work together in a study group. You may also request a breakout room for a study group for any other class.

Other contact options: email, Remind, Teams post