

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