

**WEEK OF:** January 4, 2021

**CLASS:** Organic Chemistry – E Block

**TEACHER:** Mrs. Burke

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

**OBJECTIVES:**

- Increase functional group knowledge
- Name simple and branched hydrocarbons
- Show evidence of learning: **prefix 1-10 quiz**

**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:**

Memorize carbon chain count prefixes  
Locate the chemical structure of a medicine

**Journal Entries:**

Dehydration synthesis (graphical depiction)  
Amine functional group drawing and description  
Carboxyl functional group drawing and description  
Chart of carbon chain count prefixes

**SYNCHRONOUS MEETING #1:**

- Sharing molecular drawings of medicines – search for functional groups
- Naming alkanes, alkenes, and alkynes (vocab: locant, parent chain, side chain)

**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**

- Come to office hours with your study group
- Read Chemistry 2e [section 20.1 Hydrocarbons](#)
- Watch Khan Academy [video Naming Simple Alkanes](#)

**YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #2:**

- Review dehydration synthesis in disaccharides
- Review amine and carboxyl functional group structures
- Review naming prefixes for 1-10

- Come to office hours with your study group

### **SYNCHRONOUS MEETING #2:**

- Understanding isomers
- Naming practice – hydrocarbons with side chains

### **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**

- Identify, draw, and name isomers of octane

#### 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

### **IDEAS FOR USING YOUR ASYNCHRONOUS TIME:**

Study TOGETHER

Amino acid exploration

Functional group (re)memorization

Carbon chain count prefix (re)memorization

Text reading

Video watching

Isomers of octane work

Journal entries

Prefix Quiz

### **DUE DATES:**

- Chemical structure of a medicine – Jan 5<sup>th</sup> (Bring to class for sharing)
- Quiz over prefixes for 1-10 by Thursday Jan 7<sup>th</sup> 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