

Monday 05/05

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A

B

C

D

Lesson Objective:

- **Name** a cyclic alkane by examining its structure.
- **Draw** the structure of a cyclic alkane given its name.
- **Describe** the properties of alkanes.
- **Distinguish** between saturated and unsaturated hydrocarbons.

Resources:

Details: -cycloalkane Powerpoint notes

-worksheet on cyclic alkanes

-Lab: Molecular geometry

-handout test review on alkanes

Homework: complete test review and study for test

Tuesday 05/06

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A

B

C

D

Lesson Objective:

- **Compare** the properties of alkenes and alkynes with those of alkanes.
- **Describe** the molecular structures of alkenes and alkynes.
- **Name** an alkene or alkyne by examining its structure.
- **Draw** the structure of an alkene or alkyne by analyzing its name.

Resources:

Details: -Test on alkanes

Homework: NONE

Wednesday 05/07

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A

B

C

D

Lesson Objective:

- Distinguish between the two main categories of isomers, structural isomers and stereoisomers.
- Differentiate between cis- and trans- geometric isomers.
- Recognize different structural isomers given a structural formula.
- Describe the structural variation in molecules that results in optical isomers.

Resources:

Details: -Notes on alkene, alkyne and aromatics

-WS on alkenes, alkynes and aromatics (old and new) and review

-Quiz on alkenes, alkynes and aromatics

-Notes on cis, trans, sec, tert

-Video: The world of chemistry Carbon

Homework: complete ws on cis, trans, sec, tert E

Thursday 05/08

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A

B

C

D

Lesson Objective:

- **identify** common functional groups found within families of organic compounds
- **describe** common chemical reactions associated with common functional groups

Resources:

Details: -Quiz on Aromatics, cis and trans

-Notes on Functional Groups; begin with halocarbons, alcohols and ethers

-Handout: Functional Groups & 26-1 Practice Problems

Homework: 26-1 RRWS

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Friday 05/09

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A B C D

Lesson Objective: see Tuesday's objectives

Resources:

Details: -check and review HW

-Quiz on halocarbon, alcohol and ether

Homework: NONE

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Monday 05/12

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A B C D

Lesson Objective:

- The student will be able to distinguish ester compounds by identifying the functional groups characteristics
- The student will be able to describe the process of esterification.
- The student will be able to name ester, ketone and aldehyde compounds.
- The student will be able to describe the applications of organic chemistry to the food industry.

Resources:

Details: -Lab: Exploring Scents

-Notes on Ketones, and aldehydes

-26-2 aldehydes and ketones

Homework: 26-2 RRWS

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Tuesday 05/13

Academic Standard # 3.4.10.A & B 3.4.12.A & B

Rigor/Relevance Quadrant A B C D

Lesson Objective: see Thursday's objectives

Resources:

Details: - Quiz on ketones, aldehydes

-Notes on carboxylic acids and esters -complete and review 26-2ppws and rrws Homework: NONE