Alcohols

Foldable Instructions

* Cut Here

1)Identify the number of carbons.

2) Use the appropriate IUPAC prefix with the ending _____.

1)Draw the number of _____ identified by the IUPAC prefix. Attach them each by a _____ bond.

2) _____ each carbon using a _____.

Examples

Name:

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

Examples

Draw:

pentane

octane

- Alkanes are characterized by a _____ carbon-carbon bond.
- Alkanes are _____ and contained no double or triple bonds.
- Alkanes always end with '_____'

Foldable Instructions

* Fill in the Blanks Here

1)Identify the number of carbons.

2) Use the appropriate IUPAC prefix with the ending _____.

1)Draw the number of _____ identified by the IUPAC prefix. Attach them each by a _____ bond.

2) _____ each carbon using a _____.

Examples

Name:

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

Examples

Draw:

pentane

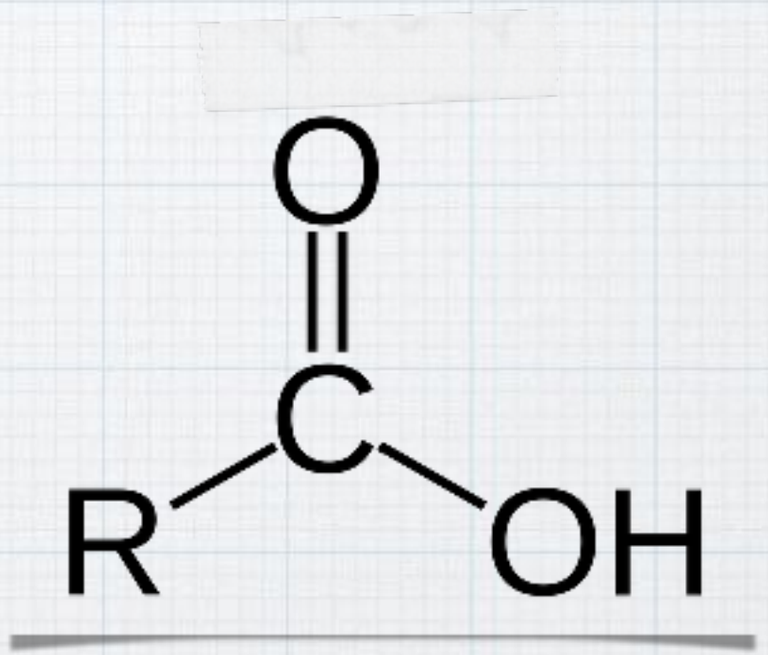
octane

- Alkanes are characterized by a _____ carbon-carbon bond.
- Alkanes are _____ and contained no double or triple bonds.
- Alkanes always end with '_____'

Carboxylic Acids

* Carboxylic acids are characterized by a carboxyl group.

* Carboxylic acids always end with 'OIC ACID'



Foldable Instructions

* Fill in the Blanks Here

1)Identify the number of carbons.

2) Use the appropriate IUPAC prefix with the ending _____.

1)Draw the number of _____ identified by the IUPAC prefix. Attach them each by a _____ bond.

2) _____ each carbon using a _____.

Examples

Name:

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

Examples

Draw:

pentane

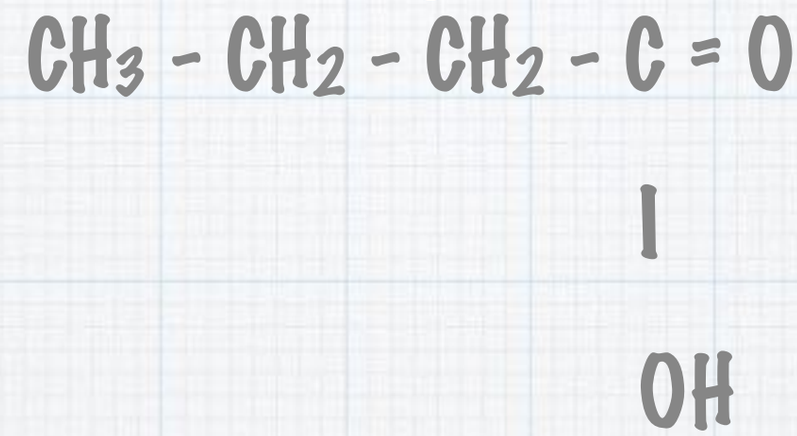
octane

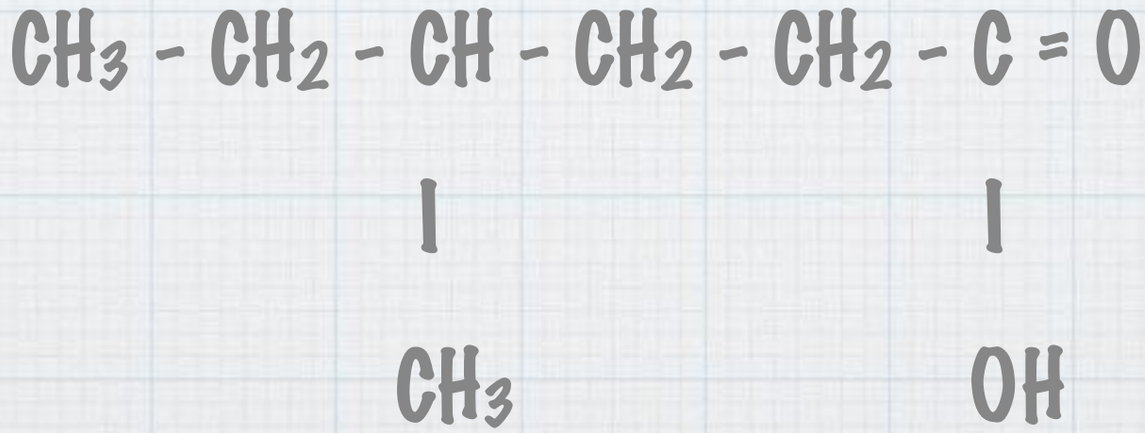
- Alkanes are characterized by a _____ carbon-carbon bond.
- Alkanes are _____ and contained no double or triple bonds.
- Alkanes always end with '_____'

Naming Carboxylic Acids

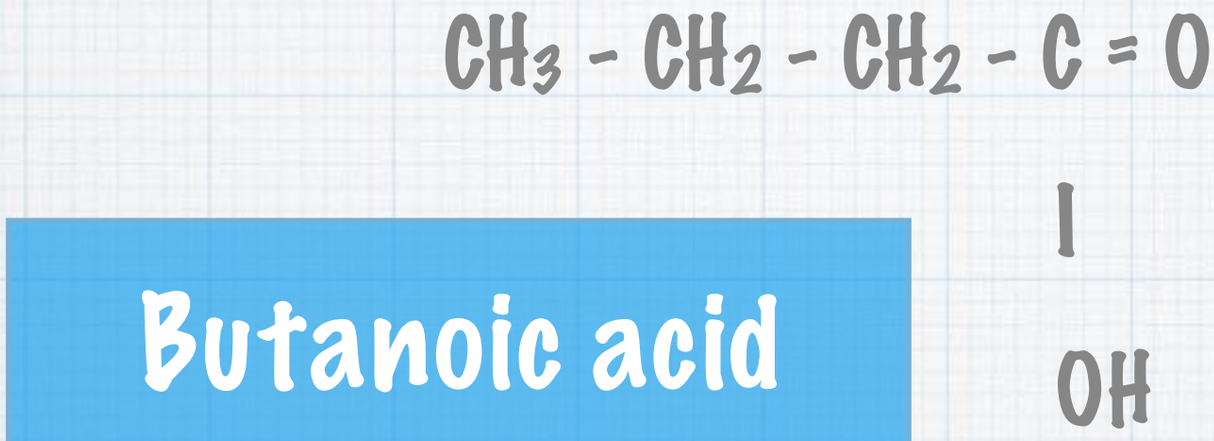
* Identify the number of carbons.
* Use the appropriate IUPAC prefix with the ending OIC ACID.
* Locate the carboxyl group. This will always be carbon 1.
* Name any additional side chains with the same numbering system.

Examples

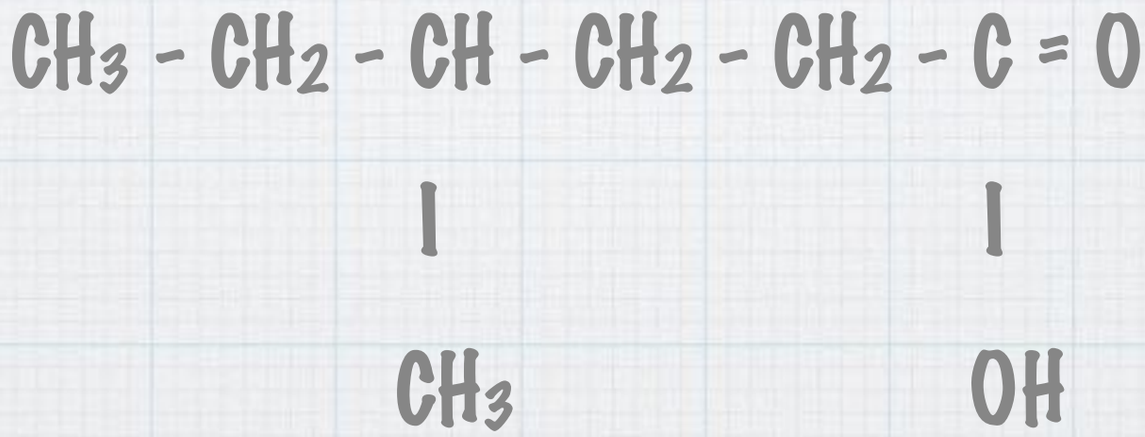




Examples



Butanoic acid



4-methylhexanoic acid

Foldable Instructions

* Fill in the Blanks Here

1)Identify the number of carbons.

2) Use the appropriate IUPAC prefix with the ending _____.

1)Draw the number of _____ identified by the IUPAC prefix. Attach them each by a _____ bond.

2) _____ each carbon using a _____.

Examples

Name:

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

$CH_3 - CH_2 - CH_2 - CH_2 - CH_2 - CH_3$

Examples

Draw:

pentane

octane

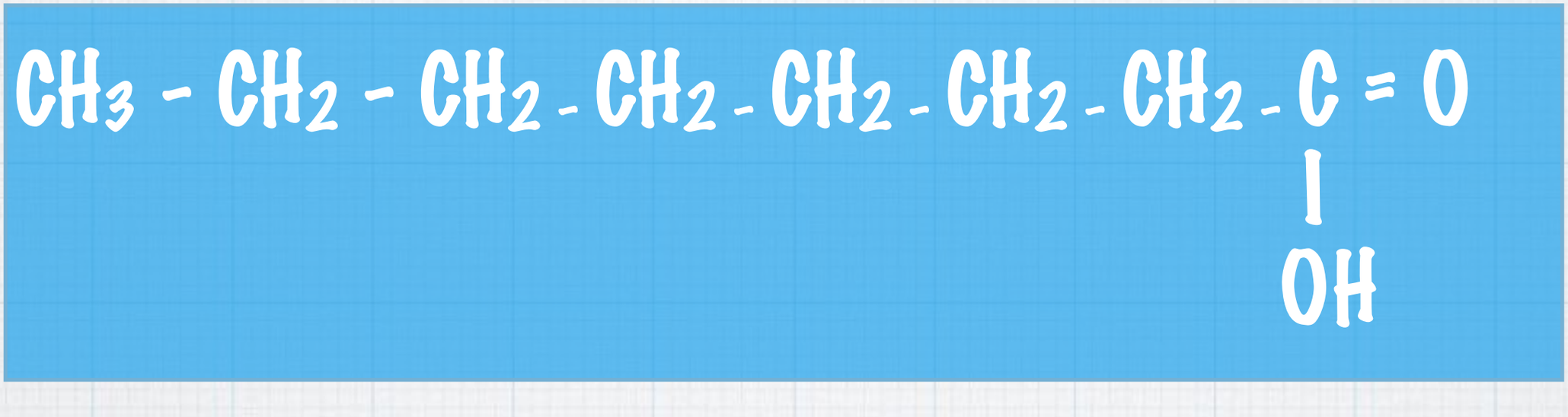
- Alkanes are characterized by a _____ carbon-carbon bond.
- Alkanes are _____ and contained no double or triple bonds.
- Alkanes always end with '_____'

Drawing Carboxylic Acids

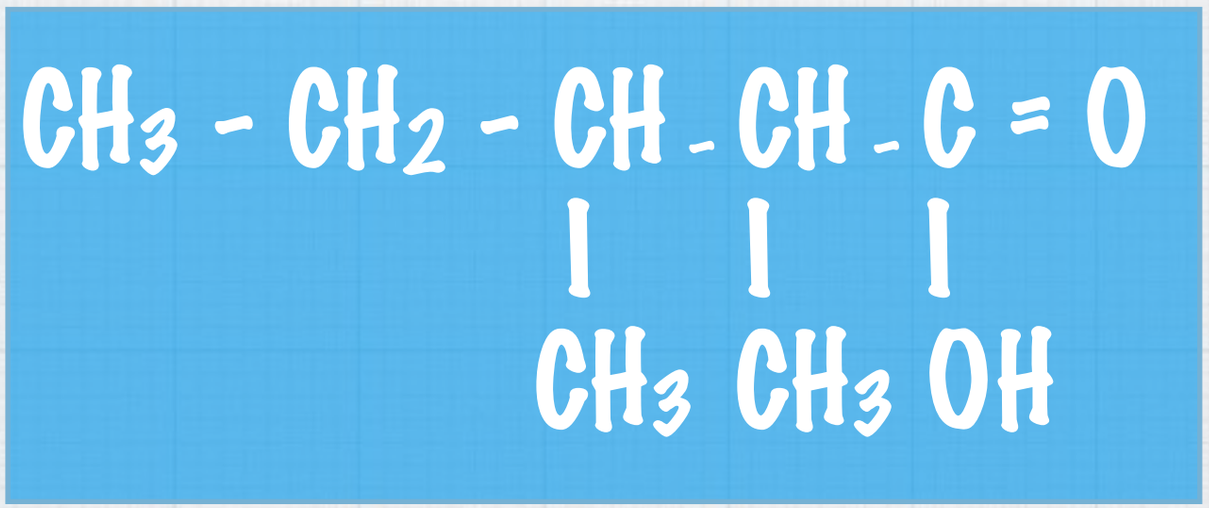
* Draw the number of carbons identified by the IUPAC prefix. Attach them each by a single bond.
* Draw the carboxyl as identified.
* Add any additional side chains.
* Saturate each carbon using a hydrogen.

Examples

octanoic acid

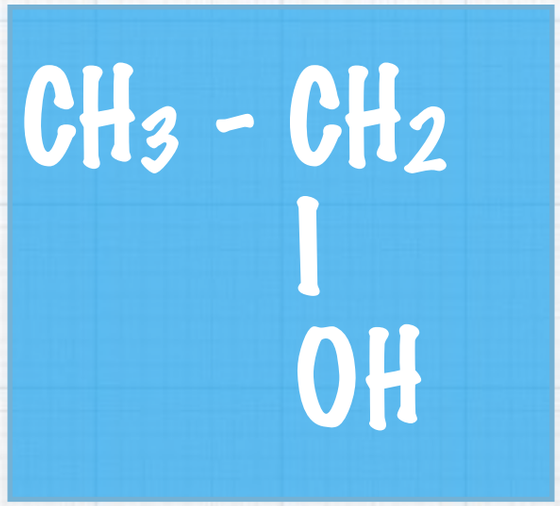


2,3-dimethylpentanoic acid



Examples

ethan-1-ol



4-ethylheptan-2-ol