

Alcohols

Foldable Instructions

* Cut Here

1) Identify the number of carbons.

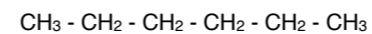
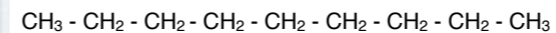
2) Use the appropriate IUPAC prefix with the ending _____.

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

2) _____ each carbon using a _____.

EXAMPLES

Name:



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.

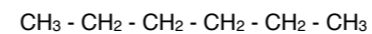
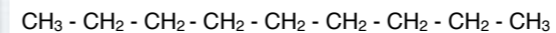
2) Use the appropriate IUPAC prefix
with the ending _____.

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

2) _____ each carbon using
a _____.

EXAMPLES

Name:



EXAMPLES

Draw:

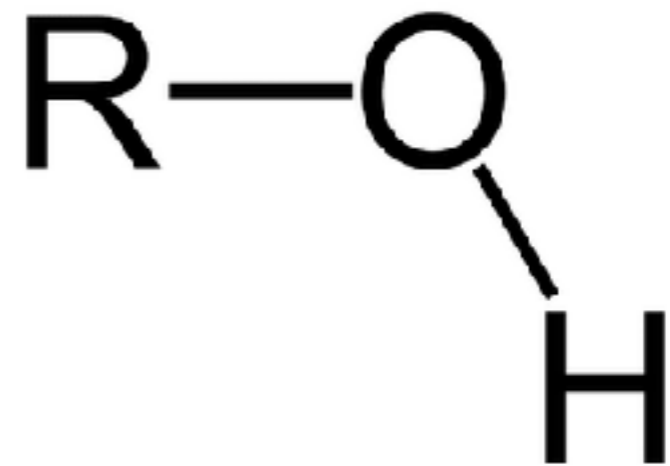
pentane

octane

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

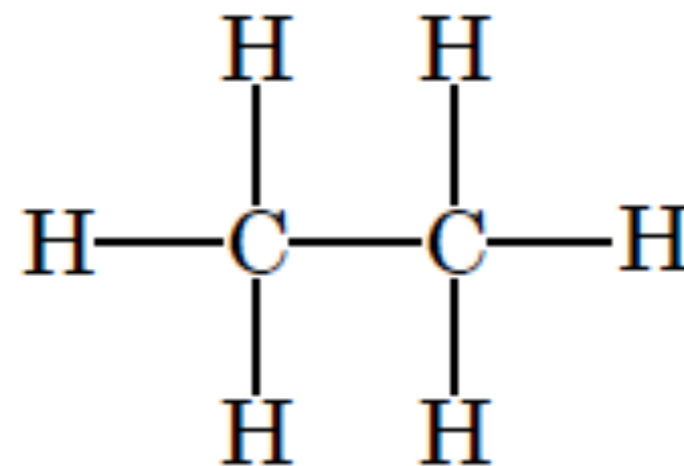
Alcohols

- * Alcohols are characterized by a hydroxyl group.
- * Alcohols are made up of an oxygen and hydrogen bound together.



Straight Chain Alkanes

* Alkanes always end with 'OL'



Foldable Instructions

* Fill in the
Blanks
Here

1) Identify the number of carbons.

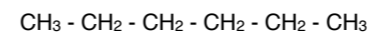
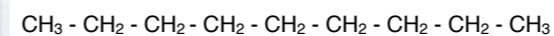
2) Use the appropriate IUPAC prefix
with the ending _____.

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

2) _____ each carbon using
a _____.

EXAMPLES

Name:



EXAMPLES

Draw:

pentane

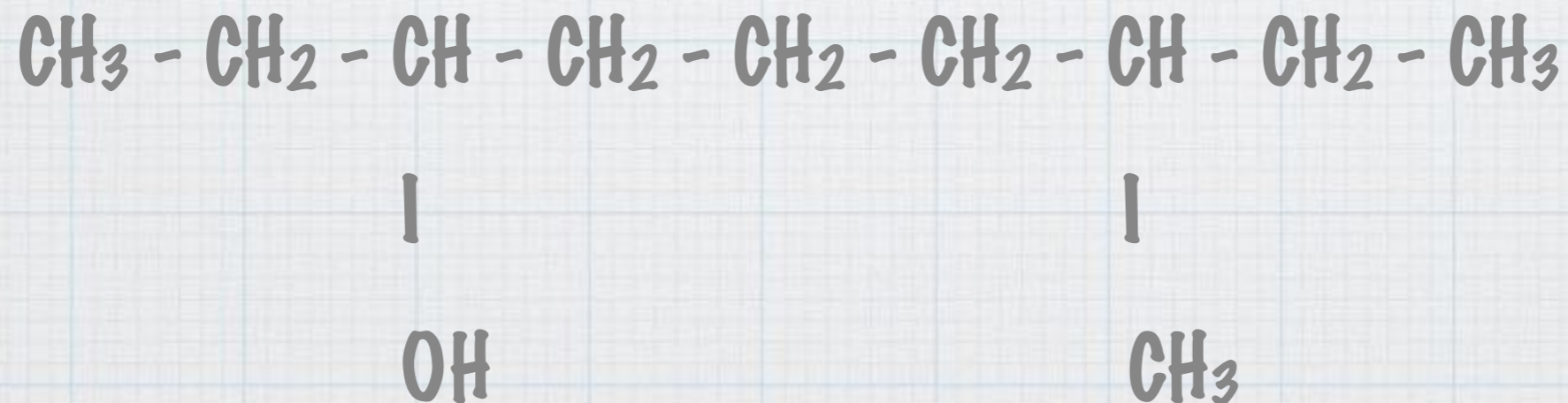
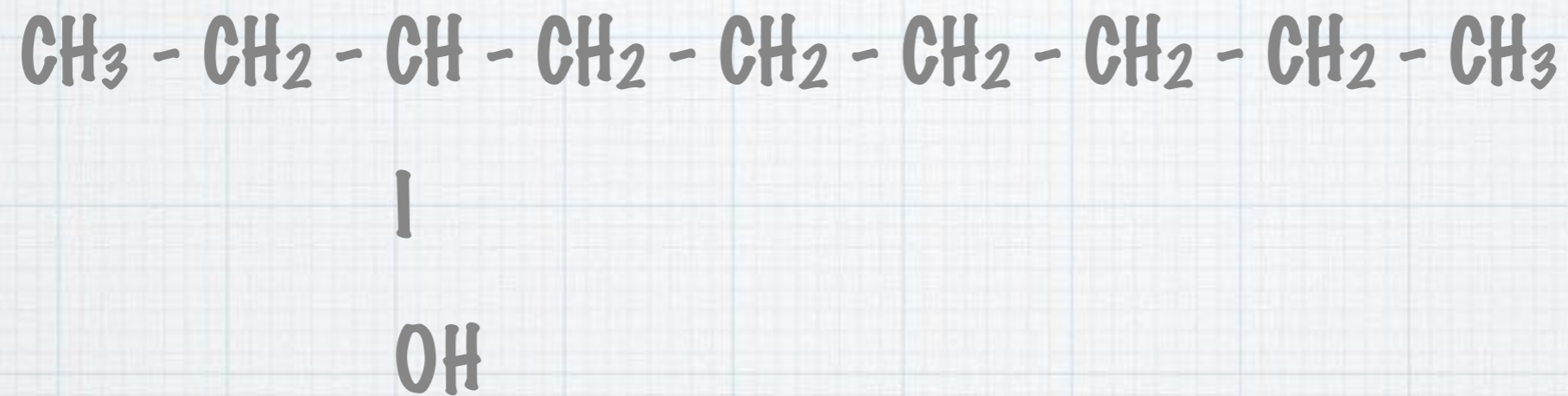
octane

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

Naming Alcohols

- * Identify the number of carbons.
- * Use the appropriate IUPAC prefix with the ending OL.
- * Locate the hydroxyl. State the location of the using a number.
- * Name any additional side chains with the same numbering system.

Examples



Examples



|

OH

nonan-3-ol



|

OH

|

CH₃

5-methylheptan-3-ol

Foldable Instructions

* Fill in the
Blanks
Here

1) Identify the number of carbons.

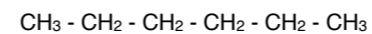
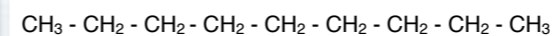
2) Use the appropriate IUPAC prefix
with the ending _____.

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

2) _____ each carbon using
a _____.

EXAMPLES

Name:



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 Alcohols

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

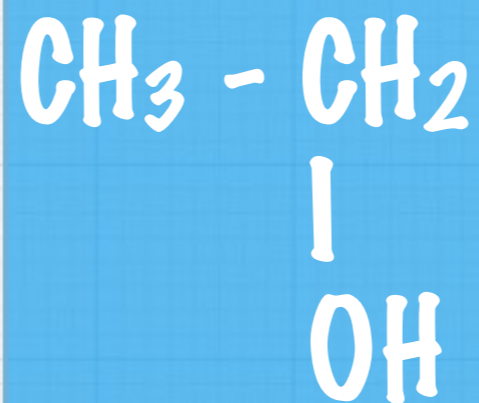
Examples

ethan-1-ol

4-ethylheptan-2-ol

Examples

ethan-1-ol



4-ethylheptan-2-ol

