

Esters

Foldable Instructions

* Cut Here

1) Identify the number of carbons.

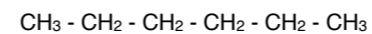
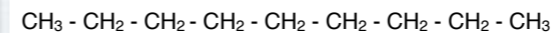
2) Use the appropriate IUPAC prefix with the ending _____.

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.

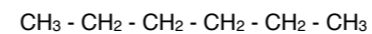
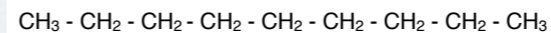
2) Use the appropriate IUPAC prefix
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1) Draw the number of _____
identified by the IUPAC prefix. Attach
them each by a _____ bond.

2) _____ each carbon using
a _____.

EXAMPLES

Name:



EXAMPLES

Draw:

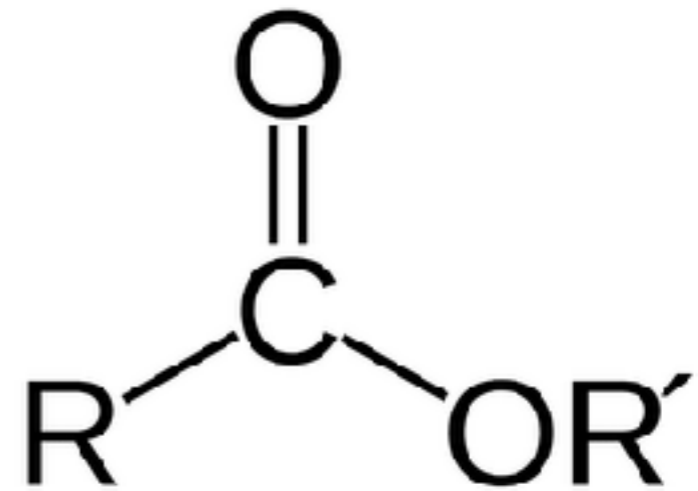
pentane

octane

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

Esters

- * Esters are characterized by a double bonded and single bonded oxygen.
- * The ending is always 'OATE'.



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1) Identify the number of carbons.

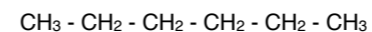
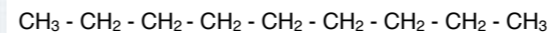
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EXAMPLES

Name:



EXAMPLES

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- Alkanes are characterized by a _____ carbon-carbon bond.
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Naming Esters

- * Identify the number of carbons.
- * Identify the main chain (most carbons). This will have the ending OATE.
- * Identify the secondary chain (least carbons). This will be named as a side chain and have a space.
- * Name any additional side chains with the same numbering system.

Examples

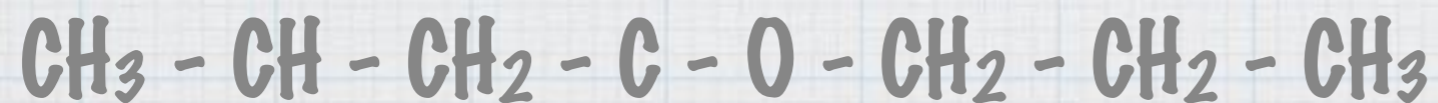
O

||



CH₃ O

| ||



Examples

O

||



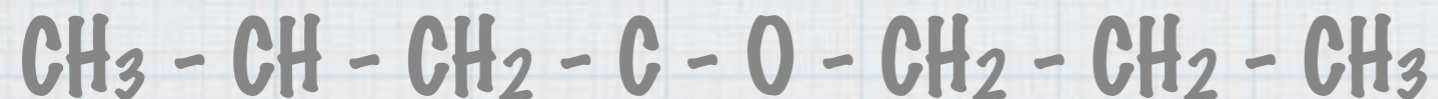
Ethyl pentanoate

CH₃

O

|

||



Propyl 3-methylbutanoate

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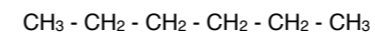
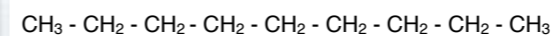
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EXAMPLES

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Draw:

pentane

octane

- Alkanes are characterized by a _____ carbon-carbon bond.
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Drawing Esters

- * Draw the number of carbons identified by the IUPAC prefix.
- * Draw a single bonded and double bonded oxygen off the main chain.
- * Attach the secondary chain to the single bonded oxygen.
- * Add any additional side chains.

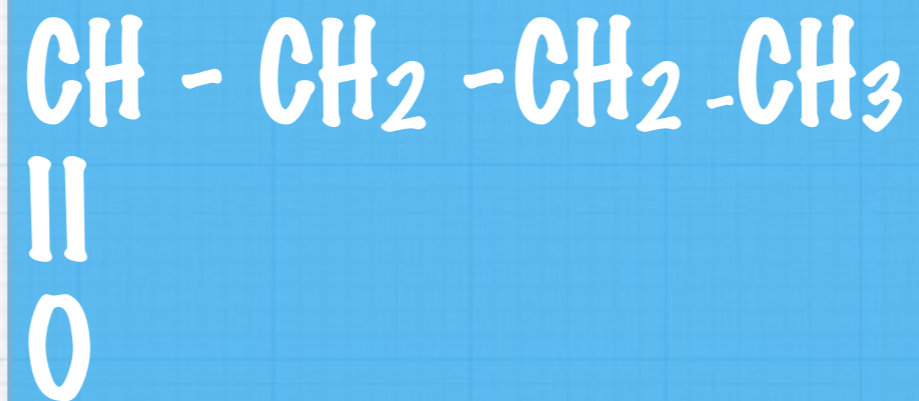
Examples

methyl octanoate

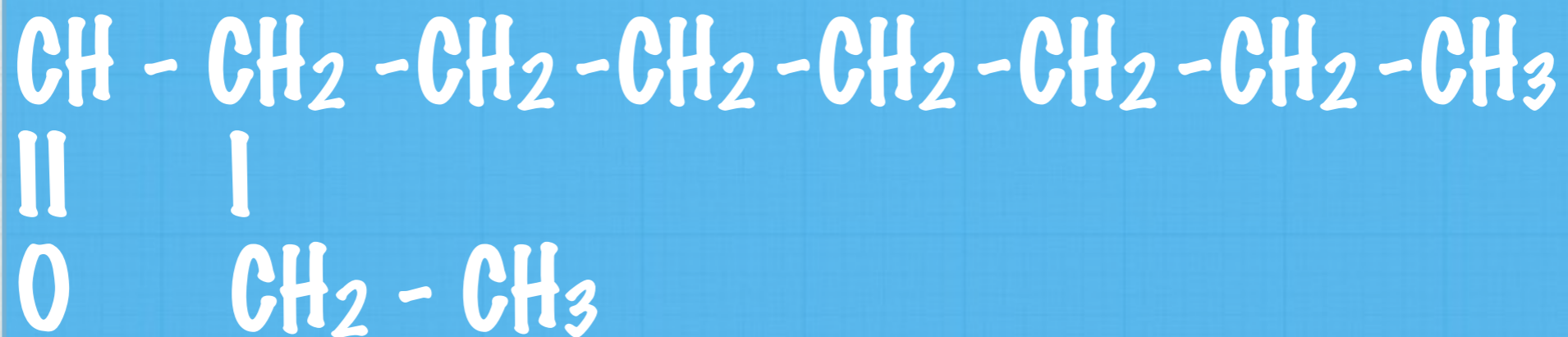
ethyl 2-ethylhexanoate

Examples

Butanal

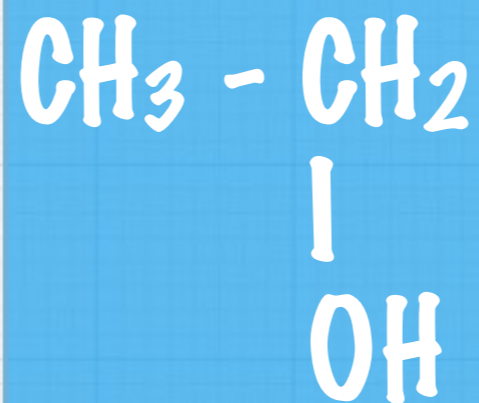


2-ethyloctanal



Examples

ethan-1-ol



4-ethylheptan-2-ol

