

Ketones

Foldable Instructions

* Cut Here

1) Identify the number of carbons.

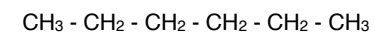
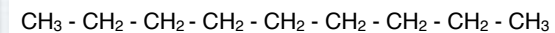
2) Use the appropriate IUPAC prefix with the ending _____.

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.

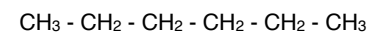
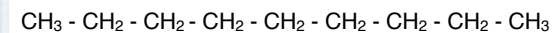
2) Use the appropriate IUPAC prefix
with the ending _____.

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:

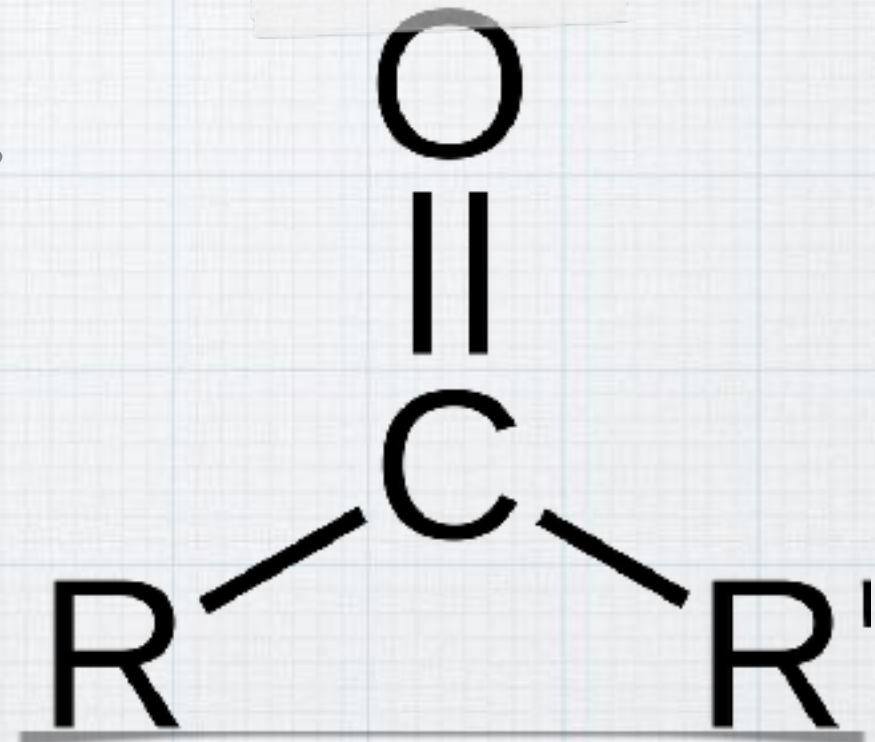
pentane

octane

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

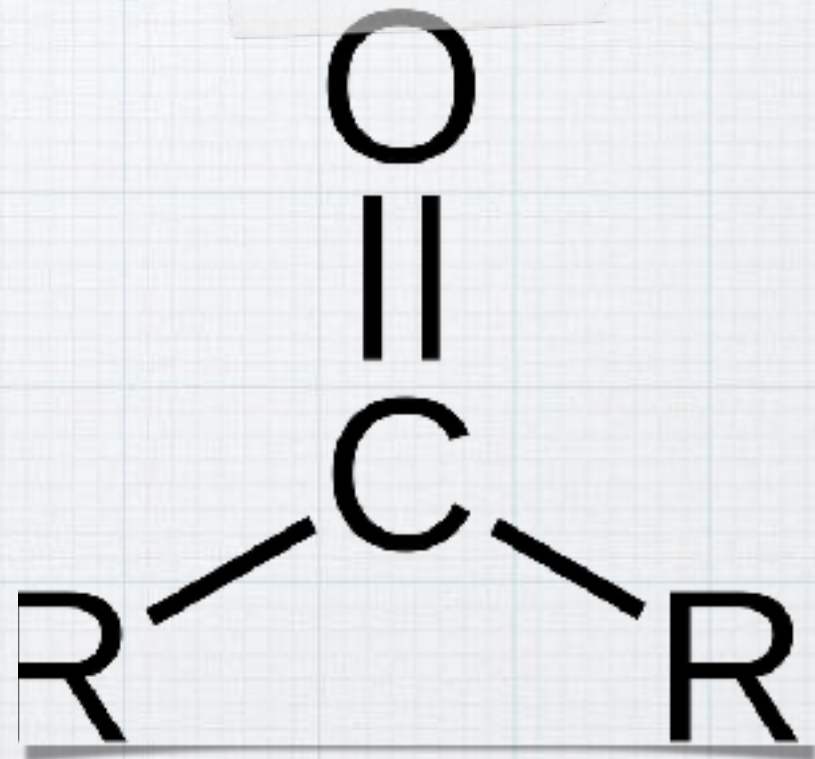
Ketones

- * Ketones are characterized by a double bonded oxygen.
- * In ketones, the double bonded oxygen is always in the **MIDDLE**



Ketones

- * Ketones always end with 'ONE'



Foldable Instructions

* Fill in the
Blanks
Here

1) Identify the number of carbons.

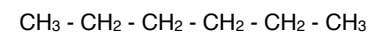
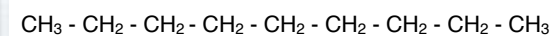
2) Use the appropriate IUPAC prefix
with the ending _____.

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

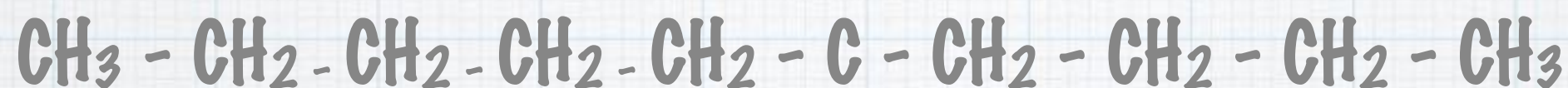
octane

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

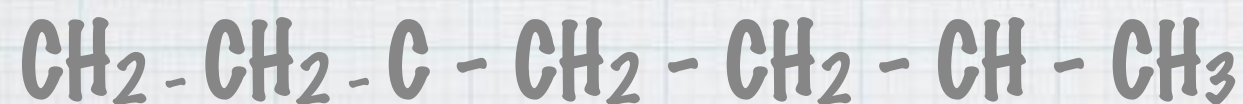
Naming Ketones

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

Examples



Decan-5-one



6-methylheptan-3-one

Foldable Instructions

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1) Identify the number of carbons.

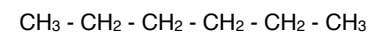
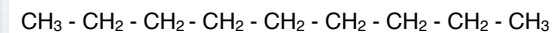
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with the ending _____.

1) Draw the number of _____
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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 Ketones

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

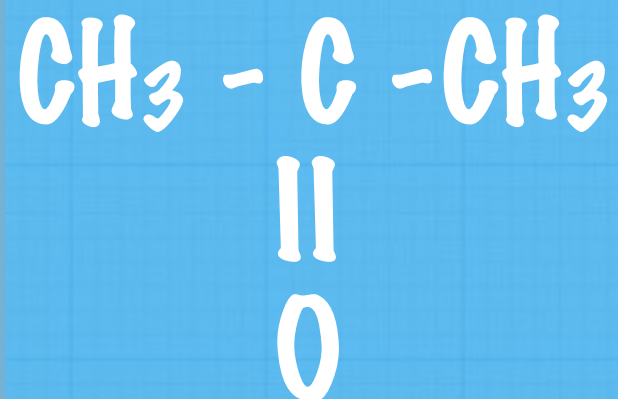
Examples

Propan-2-one

3-propyloctan-2-one

Examples

Propan-2-one



3-propyloctan-2-one

