Amines



- 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

EXAMPLES

Name:

CH₃ - CH₂ - CH₃

CH₃ - CH₂ - CH₂ - CH₂ - CH₂ - CH₃

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 '______'

* 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	Examples
Name: CH ₃ - CH ₂ - CH ₃	Draw: pentane
CH3 - CH2 - CH2 - CH2 - CH3	octane

Alkanes are characterized by a _____ carbon-carbon bond.

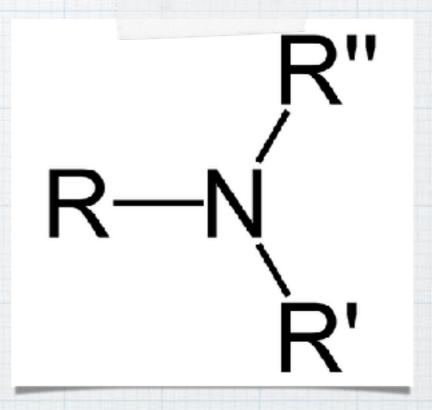
and contained no double or triple bonds.

Alkanes are _____

Alkanes always end with '_

Amines

- * Amines are characterized by an AMINE group.
- * The ending is always 'AMINE'.



* 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	Examples
Name: CH ₃ - CH ₂ - CH ₃	Draw: pentane

Alkanes are characterized by a _____ carbon-carbon bond.

Alkanes are _____ and contained no double or triple bonds.

CH3 - CH2 - CH2 - CH2 - CH3

Alkanes always end with '_

octane

Naming Amines

- * Identify the number of carbons.
- * Use the appropriate prefix with the ending amine.
- * Locate the amine group and identify it's location using a number.
- * Name any additional side chains with the same numbering system.

Examples NH2

CH3 - CH2 - CH2 - CH2 - CH - CH3

CH₃ NH₂

CH3 CH - CH2 - CH - CH2 - CH2 - CH3

Examples

NH₂

1

Hexan-2-amine

CH3 - CH2 - CH2 - CH2 - CH - CH3

CH₃ NH₂

2-methylheptan-2-amine

CH3 CH - CH2 - CH - CH2 - CH2 - CH3

Name:

CH3 - CH2 - CH3

CH3 - CH2 - CH2 - CH2 - CH3

Alkanes are ___

Alkanes always end with '_

* Fill in the Blanks Here

EXAMPLES	Examples
	a
Use the appropriate IUPAC prefix with the ending	2) each carbon using a
1)Identify the number of carbons.	1)Draw the number of identified by the IUPAC prefix. Attach them each by a bond.

EXAMPLES

pentane

octane

___ and contained no double or triple bonds.

Draw:

Alkanes are characterized by a carbon-carbon bond.

Prawing Amines

- * Draw the number of carbons identified by the IUPAC prefix.
- * Praw a amine group in the location identified by the number.
- * Add any additional side chains.
- * Saturate each carbon using hydrogen.

Examples

octan-4-amine

2,3-dimethylpentan-1-amine