

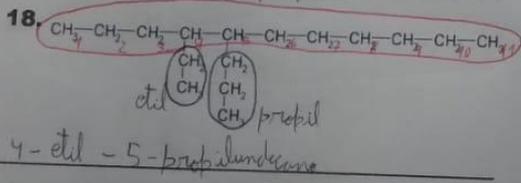
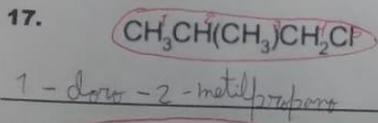
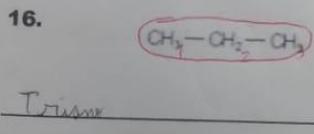
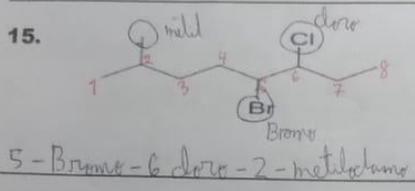
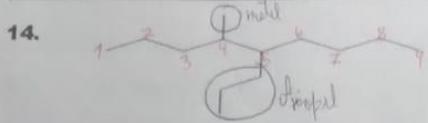
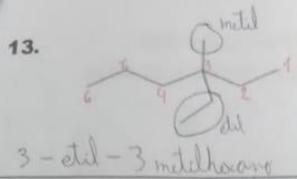
# Desarrollo de ejercicios de hidrocarburos saturados e insaturados

**HIDROCARBUROS LINEALES Y RAMIFICADOS**

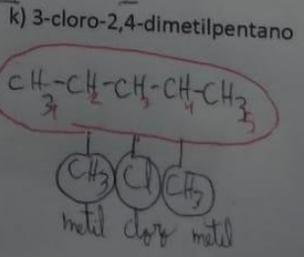
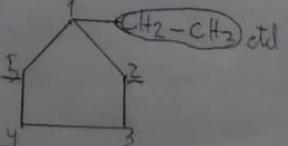
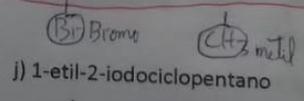
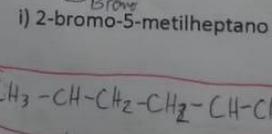
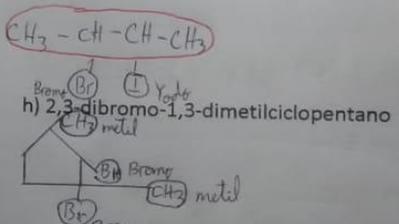
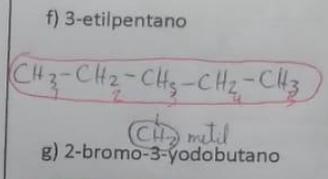
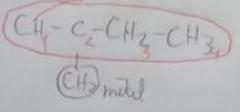
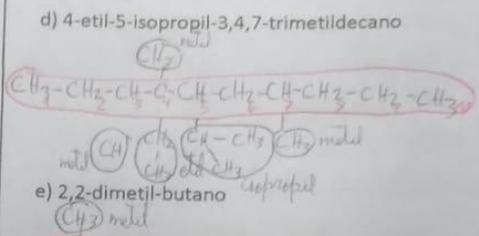
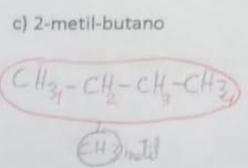
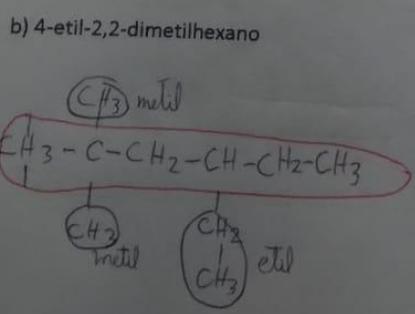
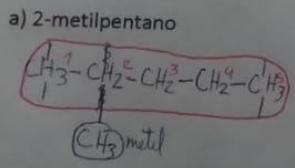
**HIDROCARBUROS SATURADOS (ALCANOS)**

Escriba el nombre correspondiente a cada uno de los siguientes hidrocarburos:

- 3,4-diethyl-2,6-dimethylheptano
- 3-ethyl-5-methylheptano
- 3-ethyl-5-methylheptano
- 6-ethyl-3,3-dimethylheptano
- 2,3,4-trimethylheptano
- 3-ethyl-2,3,5,6-tetraheptano
- 2,2,6-trimethylheptano
- 1,3,6-trimethylheptano
- 3-ethyl-5-methylheptano
- 4-ethyl-2-methyl-5-propylheptano
- 6-ethyl-3,4-dimethylheptano
- 3-ethyl-3,4-dimethylheptano



**CONSTRUYA LOS SIGUIENTES ALCANOS:**

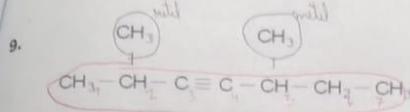


**HIDROCARBUROS INSATURADOS (ALQUENOS)**

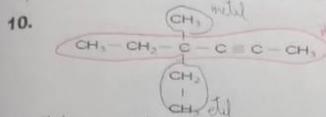
1.  $\text{CH}_3\text{CH}_2\text{CH}(\text{Br})\text{CH}(\text{Cl})\text{CH}_2\text{CH}=\text{CH}_2$   
5-bromo-4-cloro-1-hepteno
2.  $\text{CH}_3\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3)=\text{CHCH}_2\text{CH}(\text{CH}_3)_2$   
2,5-dimetil-4-octeno
3.  $\text{CH}_3\text{CH}(\text{Br})\text{CH}=\text{C}(\text{CH}_3)\text{CH}_2\text{CH}_3$   
2-bromo-4-metil-3-hexeno
4.  $\text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3$   
2-penteno
5.  $\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}_2\text{CH}_3$   
2,4-dimetil-2-penteno
6.  $\text{CH}_3\text{C}(\text{CH}_3)_2\text{C}(\text{CH}_3)\text{CH}=\text{CH}_2$   
4,4,5,5-tetrametil-2-hexeno
7.  $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}=\text{CH}_2$   
3,3-dimetil-1-buteno

8.  $\text{CH}_3\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{C}(\text{CH}_3)=\text{CH}_2$   
5-etil-4,6,6-trimetil-2-hepteno
9.  $\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_2\text{CH}_2\text{CH}_3)\text{CH}=\text{CH}_2$   
6-metil-3-propil-1,3,5-heptatrieno
10.  $\text{CH}_2=\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}_3$   
1-penteno
11.  $\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_2\text{CH}_2\text{CH}_3)\text{CH}=\text{CH}_2$   
6-metil-3-propil-1,3,5-heptatrieno
12.  $\text{H}_2\text{C}=\text{CH}-\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_3$   
1,3,6-heptatrieno
13.  $\text{CH}_2=\text{C}(\text{CH}_3)\text{C}(\text{CH}_3)(\text{CH}_2\text{CH}_3)\text{CH}=\text{CH}_2$   
3-etil-2,3-dimetil-1,4-pentadieno
14.  $\text{CH}_2=\text{CH}-\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}(\text{CH}_3)-\text{CH}_3$   
3-etil-4-metil-1-penteno
15.  $\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_2\text{CH}_2\text{CH}_3)\text{CH}=\text{CH}_2$   
6-metil-3-propil-1,3,5-heptatrieno

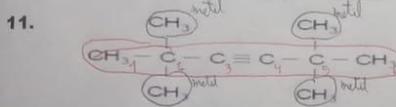




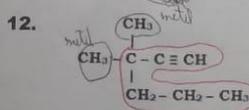
2,5-dimetil-2-pentino



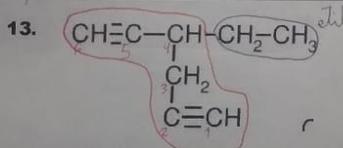
4-etil-4-metil-2-hexino



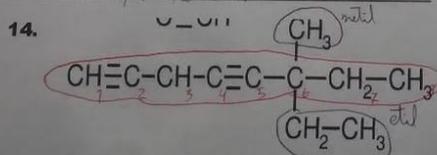
2,2,5,5-tetrametil-3-hexino



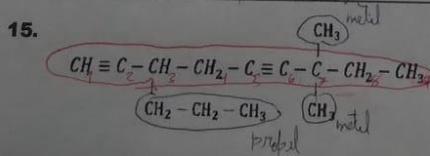
3,3-dimetil-1-hexino



4-etil-1,5-heptadieno



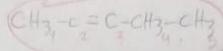
6-etil-6-metil-1,4-octadieno



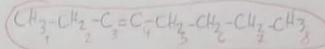
3-propil-7,7-metil-1,5-nonino

CONSTRUYA LOS SIGUIENTES ALQUINOS:

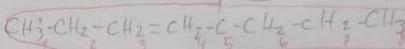
a) 2-pentino



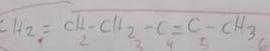
b) 3-octino



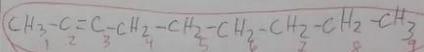
c) 6,6-dietil-4-nonino



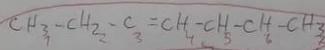
d) 1-eno-4-hexino



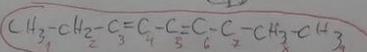
e) 2-nonino



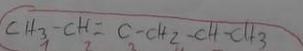
f) 5,6-dimetil-3-heptino



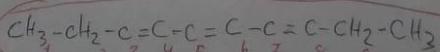
g) 7-dimetil-3,5-nonadino



h) 5-metil-2-hexino



i) 3,5,7-decatrino



j) 2-metil-2,4-heptadino

