

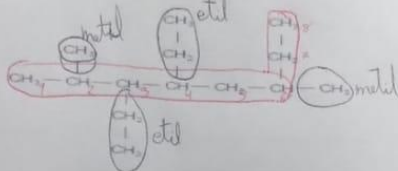
Desarrollo de ejercicios de hidrocarburos saturados e insaturados

HIDROCARBUROS LINEALES Y RAMIFICADOS

HIDROCARBUROS SATURADOS (ALCANOS)

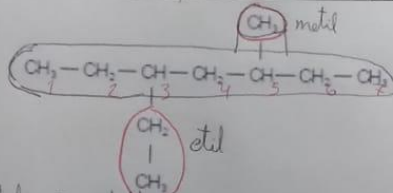
Escriba el nombre correspondiente a cada uno de los siguientes hidrocarburos:

1.



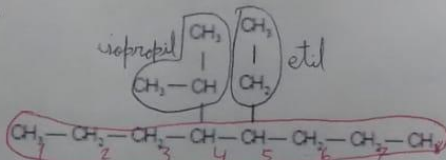
3,4-diethyl-2,6-dimetilheptano

2.

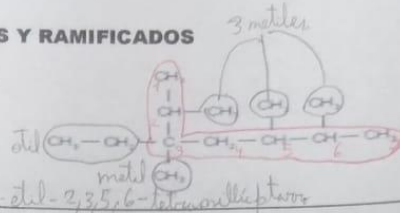


3-etil-5 metilheptano

3.

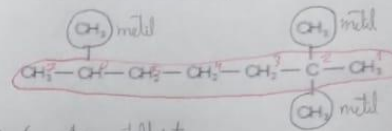


6.



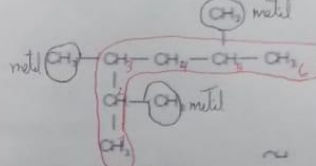
3-etil-2,3,5,6-tetraheptano

7.



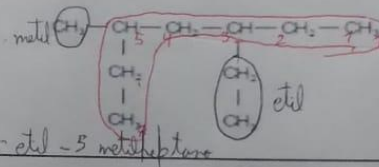
2,2,6-trimetilheptano

8.



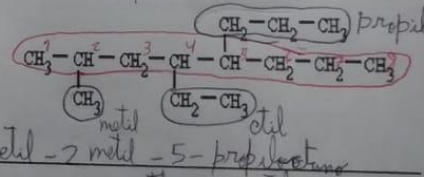
1,3,6-trimetilhexano

9.



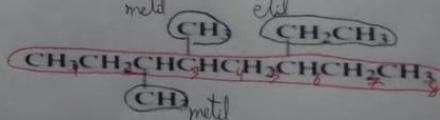
3-etil-5 metilheptano

10.



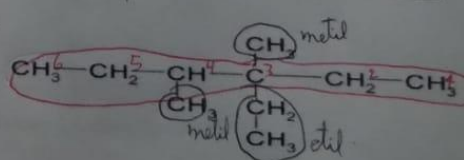
4-etil-2 metil-5-propilheptano

11.



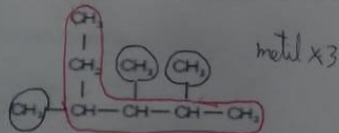
6-etil-3,4 dimetilheptano

12.



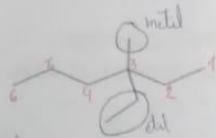
3-etil-3,4-dimetilheptano

5.



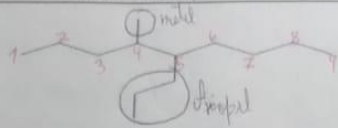
2,3,4-trimetilheptano

13.

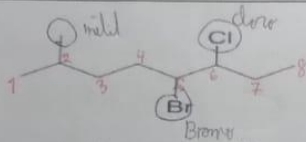


3-etil-3 metilhexano

14.

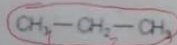


15.



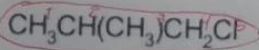
5-Bromo-6 cloro-2-metildecano

16.



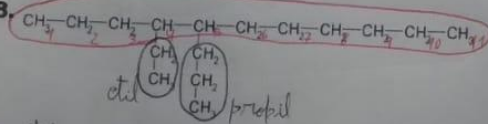
Triseno

17.



1-cloro-2-metilpropano

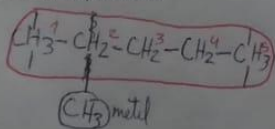
18.



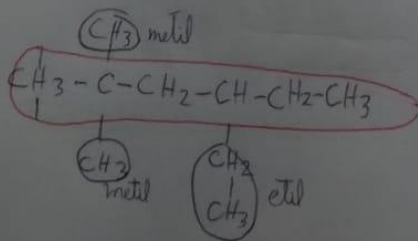
4-etil-5-propilundecano

CONSTRUYA LOS SIGUIENTES ALCANOS:

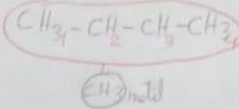
a) 2-metilpentano



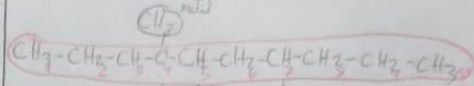
b) 4-etil-2,2-dimetilhexano



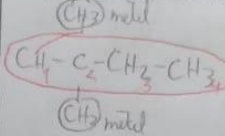
c) 2-metil-butano



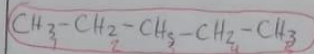
d) 4-etil-5-isopropil-3,4,7-trimetildecano



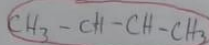
e) 2,2-dimetil-butano



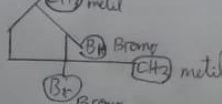
f) 3-etilpentano



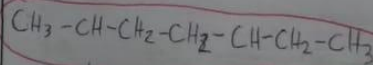
g) 2-bromo-3-iodobutano



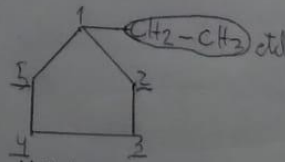
h) 2,3-dibromo-1,3-dimetilciclopentano



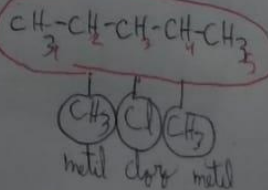
i) 2-bromo-5-metilheptano



j) 1-etil-2-iodociclopentano



k) 3-cloro-2,4-dimetilpentano



HIDROCARBUROS INSATURADOS (ALQUENOS)

- $$\text{CH}_3\text{CH}_2\text{CH}(\text{Br})(\text{Cl})\text{CH}_2\text{CH}=\text{CH}_2$$

5-bromo-4-cloro-1-hepteno
- $$\text{CH}_3\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3)=\text{CHCH}_2\text{CH}(\text{CH}_3)_2$$

2,5-dimetil-4-octeno
- $$\text{CH}_3\text{CH}(\text{Br})\text{CH}(\text{CH}_3)=\text{CCH}_2\text{CH}_3$$

2-bromo-4-metil-3-hexeno
- $$\text{CH}_3\text{CH}=\text{CHCH}_2\text{CH}_3$$

2-penteno
- $$\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_3)\text{CH}_2\text{CH}_3$$

2,4-dimetil-2-penteno
- $$\text{CH}_3\text{C}(\text{CH}_3)_2\text{C}(\text{CH}_3)=\text{CHCH}_2\text{CH}_3$$

4,4,5-trimetil-2-hexeno
- $$\text{CH}_3\text{C}(\text{CH}_3)_2\text{C}(\text{CH}_3)=\text{CHCH}_2\text{CH}_2\text{CH}_3$$

3,3-dimetil-1-hexeno

- $$\text{CH}_3\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{C}(\text{CH}_3)=\text{CH}_2$$

5-etil-4,6,6-trimetil-2-hepteno
- $$\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_2\text{CH}_2\text{CH}_3)\text{C}(\text{CH}_3)=\text{CH}_2$$

6-metil-3-propil-1,3,5-heptatrieno
- $$\text{CH}_2=\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}_3$$

1-penteno
- $$\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_2\text{CH}_2\text{CH}_3)\text{C}(\text{CH}_3)=\text{CH}_2$$

6-metil-3-propil-1,3,5-heptatrieno
- $$\text{H}_2\text{C}=\text{CH}-\text{CH}(\text{CH}_3)-\text{CH}(\text{CH}_3)-\text{CH}_2-\text{CH}_3$$

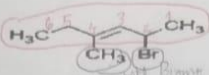
1,3,6-heptatrieno
- $$\text{CH}_2=\text{C}(\text{CH}_3)-\text{C}(\text{CH}_3)(\text{CH}_2\text{CH}_3)-\text{CH}=\text{CH}_2$$

3-etil-2,3-dimetil-1,4-pentadieno
- $$\text{CH}_2=\text{CH}-\text{CH}(\text{CH}_2\text{CH}_3)-\text{CH}(\text{CH}_3)-\text{CH}_3$$

3-etil-4-metil-1-penteno
- $$\text{CH}_3\text{C}(\text{CH}_3)=\text{CHCH}(\text{CH}_2\text{CH}_2\text{CH}_3)\text{C}(\text{CH}_3)=\text{CH}_2$$

6-metil-3-propil-1,3,5-heptatrieno

16.



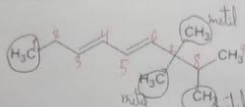
2-bromo-4-metil-3-penteno

17.



2-penteno

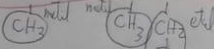
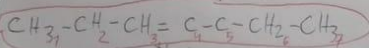
18.



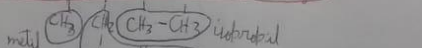
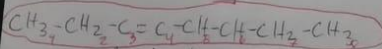
7,7,8-trimetil-3,5-nonadieno

CONSTRUYA LOS SIGUIENTES ALQUENOS:

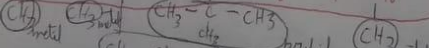
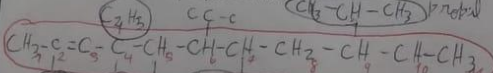
a) 5-etil-2,4,5-trimetil-3-hepteno



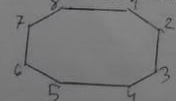
b) 4-butil-5-isopropil-3,6-dimetil-3-octeno



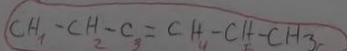
c) 7-terbutil-4-etil-9-isopropil-2,4,10-trimetil-6-neopentil-5-propil-2-undeceno



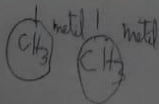
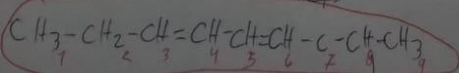
d) 1,3,5,7-ciclooctatetraeno



e) 5-bromo-3-metil-3-hexeno

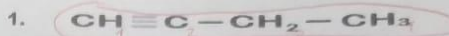


f) 7,7,8-trimetil-3,5-nonadieno

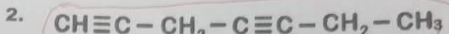


**HIDROCARBUROS
INSATURADOS (ALQUINOS)**

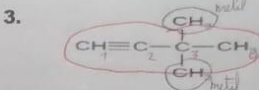
Escriba el nombre correspondiente a cada uno de los siguientes



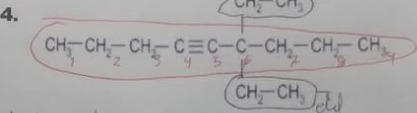
1-butino



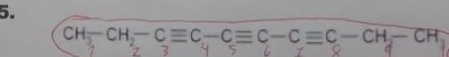
1,4-heptadieno



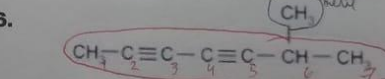
3,3-dimetil-1-butino



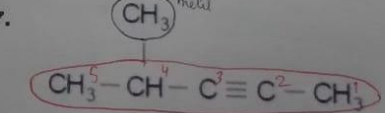
6,6-dietil-4-nonino



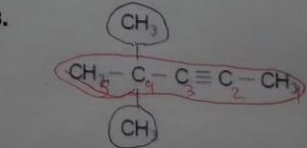
3,5,7-decatrieno



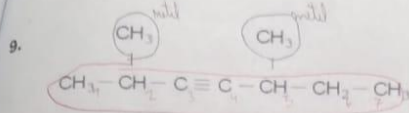
2-metil-3,5-heptatrieno



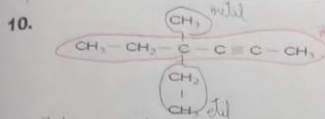
4-metil-2-pentino



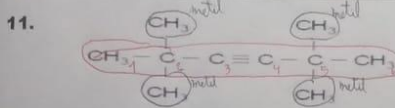
4,4-dimetil-2-pentino



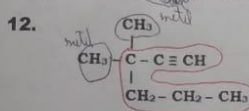
2,5-dimetil-2-pentino



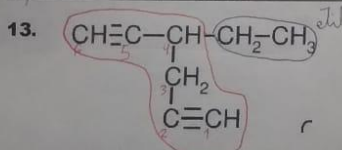
4-etil-4-metil-2-hexino



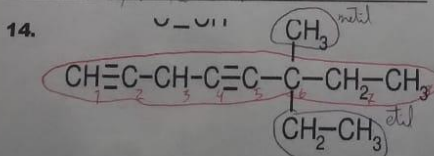
2,2,5,5-tetrametil-3-hexino



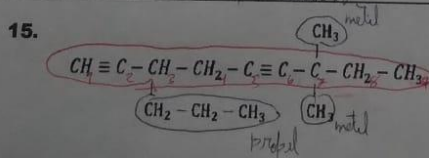
3,3-dimetil-1-hexino



4-etil-1,5-heptadieno



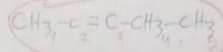
6-etil-6-metil-1,4-octadieno



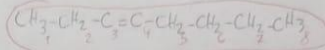
3-propil-7,7-metil-1,5-nonino

CONSTRUYA LOS SIGUIENTES ALQUINOS:

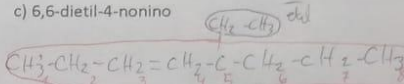
a) 2-pentino



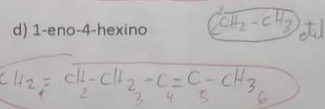
b) 3-octino



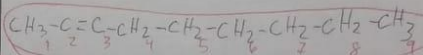
c) 6,6-dietil-4-nonino



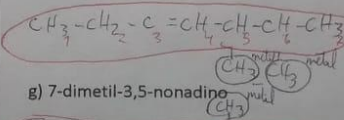
d) 1-eno-4-hexino



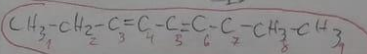
e) 2-nonino



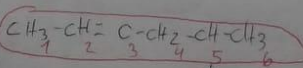
f) 5,6-dimetil-3-heptino



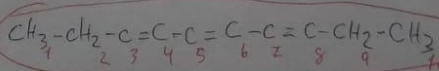
g) 7-dimetil-3,5-nonadieno



h) 5-metil-2-hexino



i) 3,5,7-decatrieno



j) 2-metil-2,4-heptadieno

