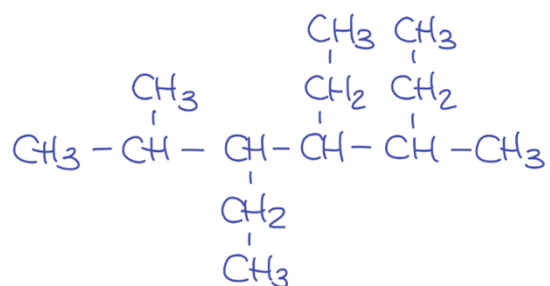


# Ejercicios

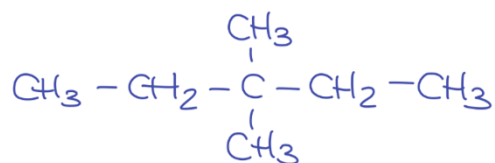
## ALCANOS

1. Nombra los siguientes hidrocarburos:

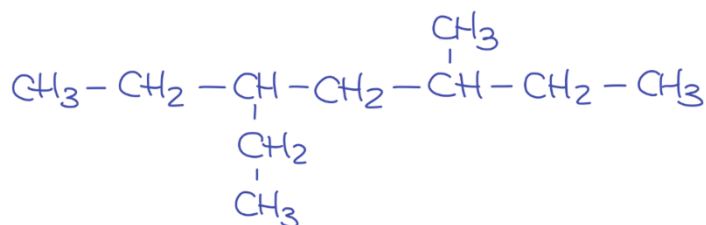
a)



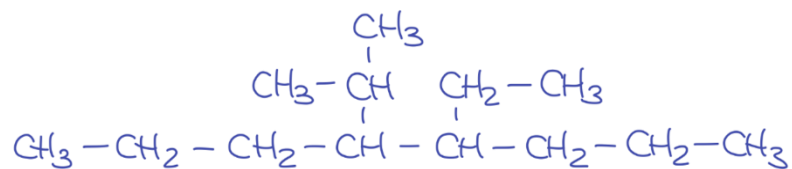
b)



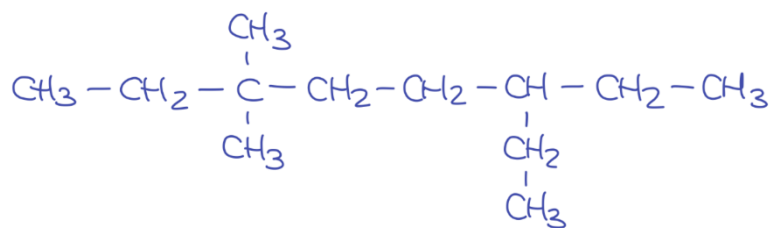
c)



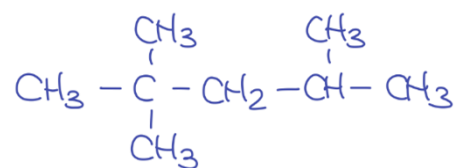
d)



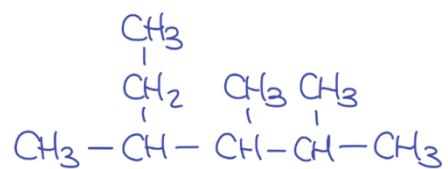
e)



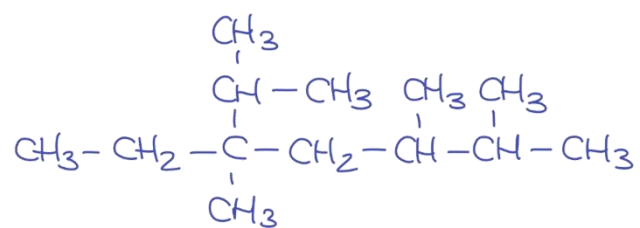
f)



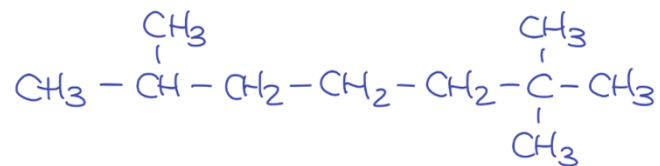
g)



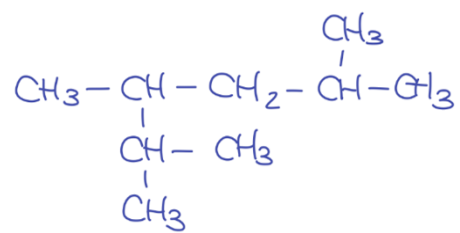
h)



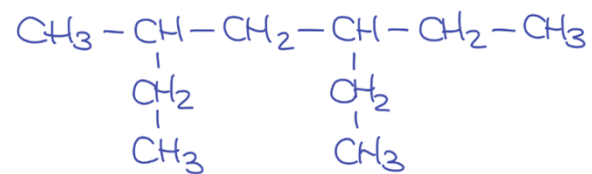
i)



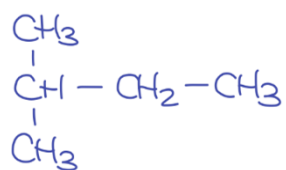
j)



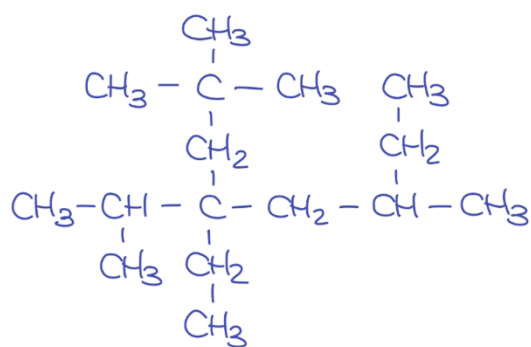
k)



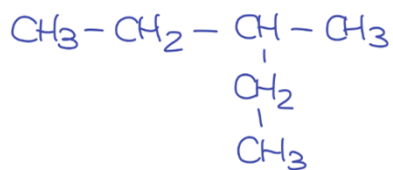
l)



m)



n)



2. Formula los siguientes hidrocarburos:

a) 2-metilpropano

b) 2, 2, 3-trimetilbutano

c) 3-etil-2,3-dimetilhexano

d) 5-tercbutil-5-etil-3-isopropil-2,6-dimetiloctano

e) 4-secbutil-2,2,4,5,6-pentametilheptano

f) 6-tercbutil-3,5,5-trietil-2,4-dimetilnonano

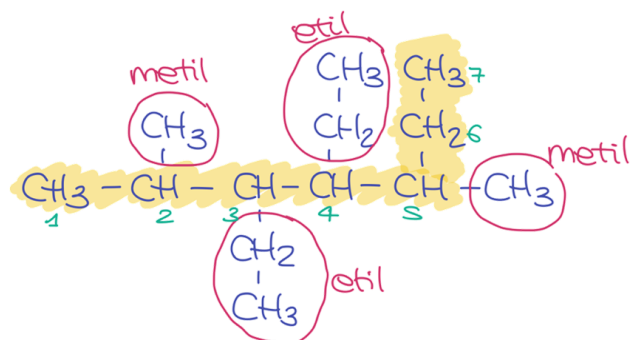
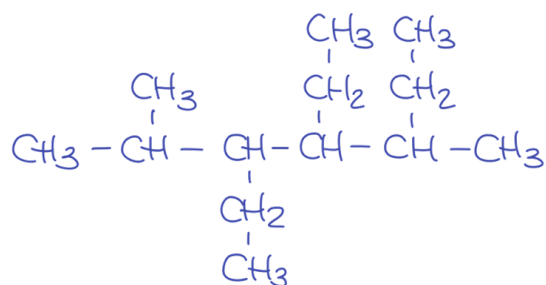
g) 7-butil-6-isobutil-5-isopropil-3,8-dimetil-6-propilundecano

# Soluciones

## ALCANOS

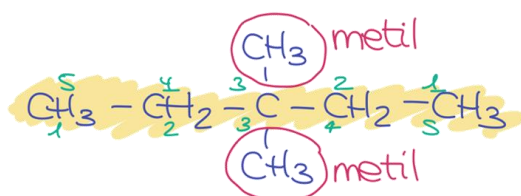
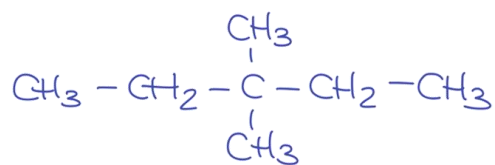
1. Nombra los siguientes hidrocarburos:

a)



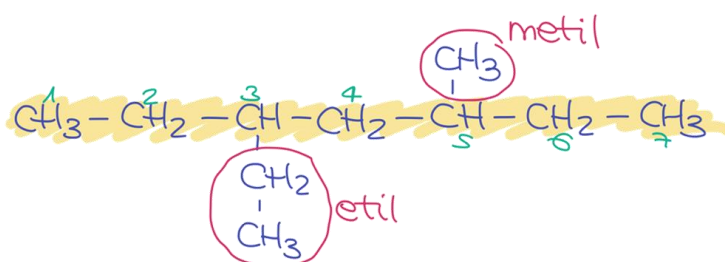
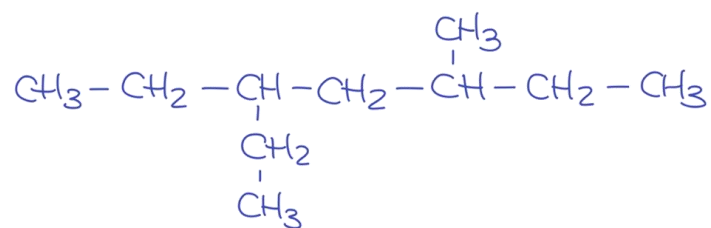
3,4-diethyl-2,5-dimetilheptano

b)



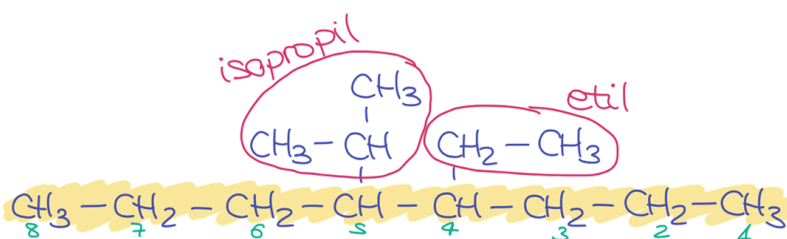
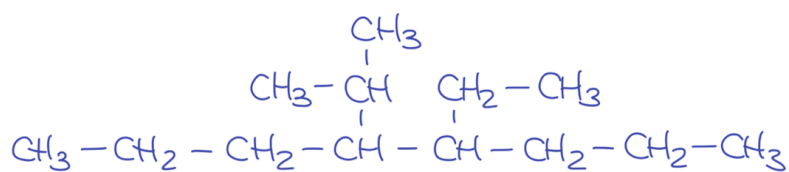
3,3-dimetilpentano

c)



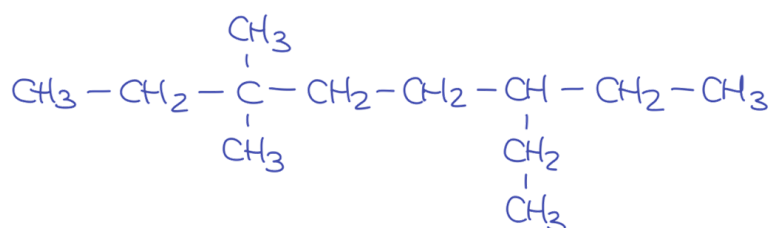
3-etil-5-metilheptano

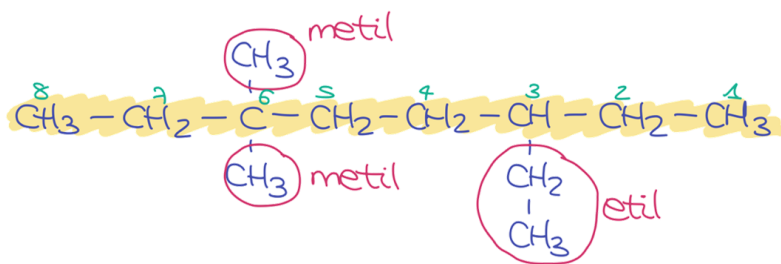
d)



4-etil-5-isopropilottano

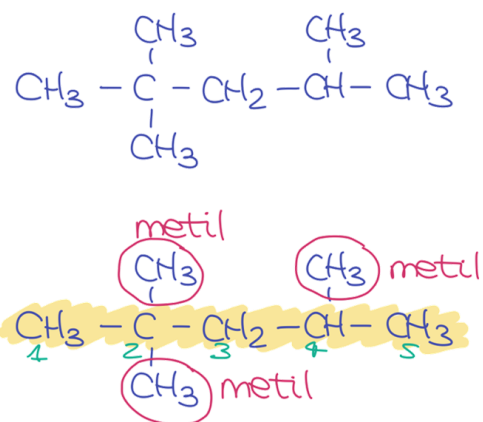
e)





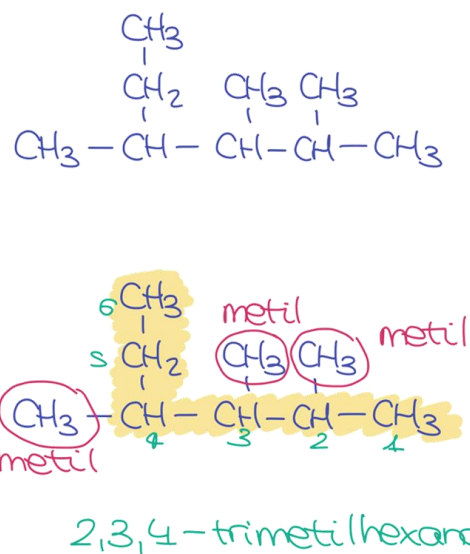
3-etil-6,6-dimetilottano

f)



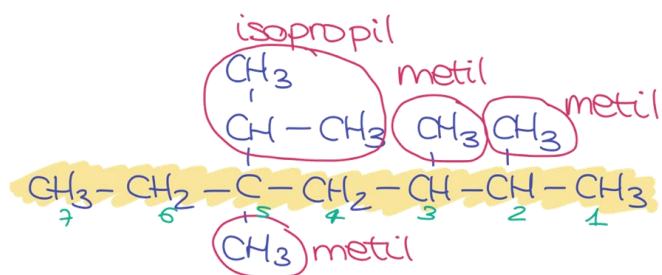
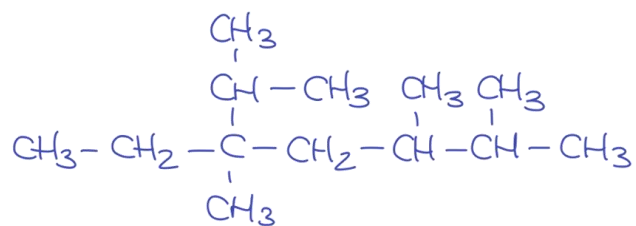
2,2,4-trimetilpentano

g)



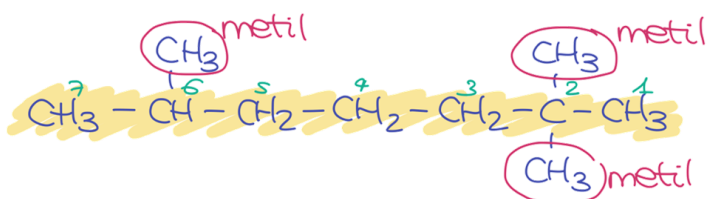
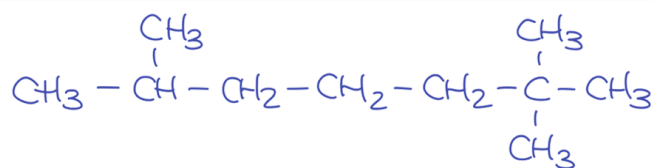
2,3,4-trimetilhexano

h)



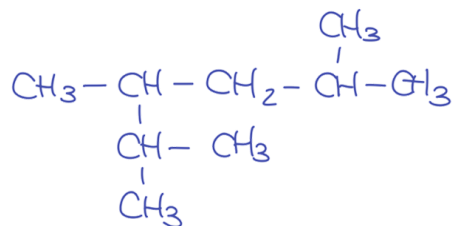
5-isopropil-2,3,5-trimetilheptano

i)



2,2,6-trimetilheptano

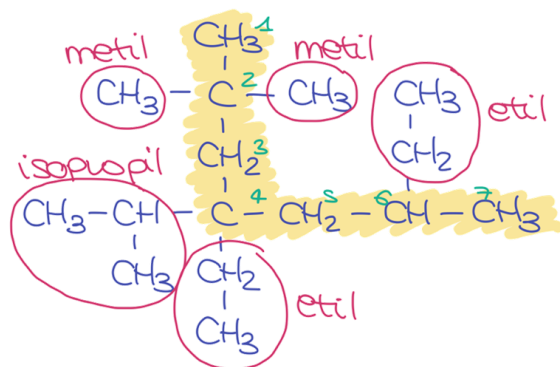
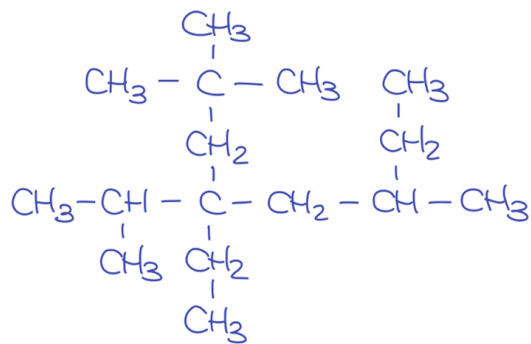
j)




$$\begin{array}{ccccccc} \text{CH}_3 & - & \text{CH} & - & \text{CH}_2 & - & \text{CH} & - & \text{CH}_2 & - & \text{CH}_3 \\ & & | & & & & | & & & & \\ & & \text{CH}_2 & & & & \text{CH}_2 & & & & \\ & & | & & & & | & & & & \\ & & \text{CH}_3 & & & & \text{CH}_3 & & & & \end{array}$$

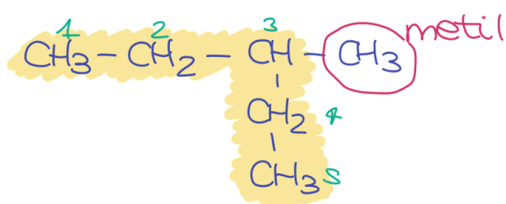
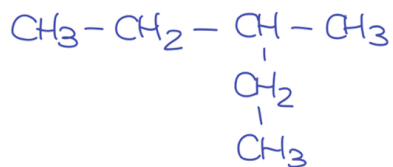
$$\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH} - \text{CH}_2 - \text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$$


m)



4,6-dietil-4-isopropil-2,2-dimetilheptano

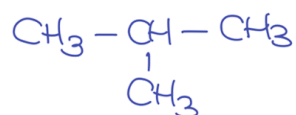
n)



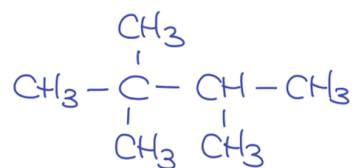
3-metilpentano

2. Formula los siguientes hidrocarburos:

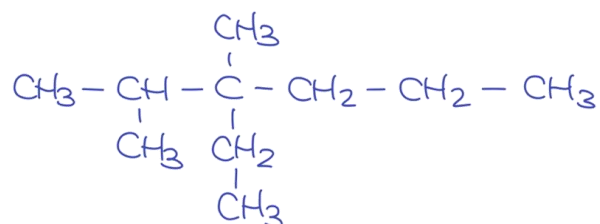
a) 2-metilpropano



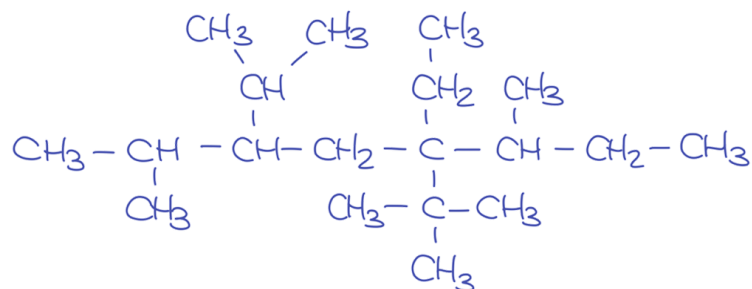
b) 2, 2, 3-trimetilbutano



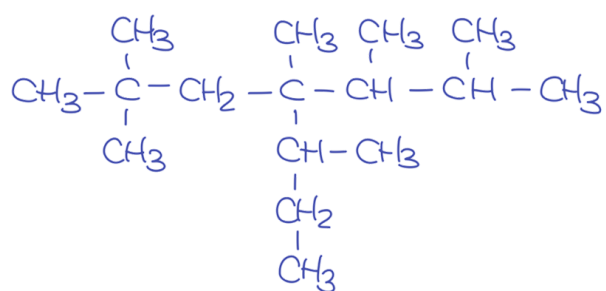
c) 3-etil-2,3-dimetilhexano



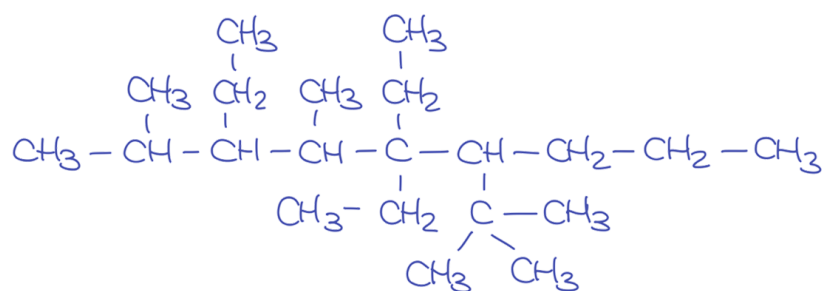
d) 5-tercbutil-5-etil-3-isopropil-2,6-dimetiloctano



e) 4-secbutil-2,2,4,5,6-pentametilheptano



f) 6-tercbutil-3,5,5-trietil-2,4-dimetilnonano



g) 7-butil-6-isobutil-5-isopropil-3,8-dimetil-6-propilundecano

