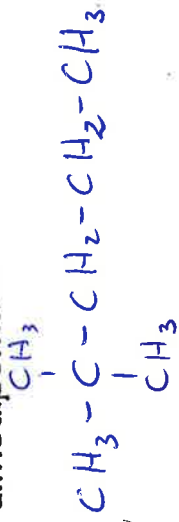


6 Formula los siguientes compuestos:

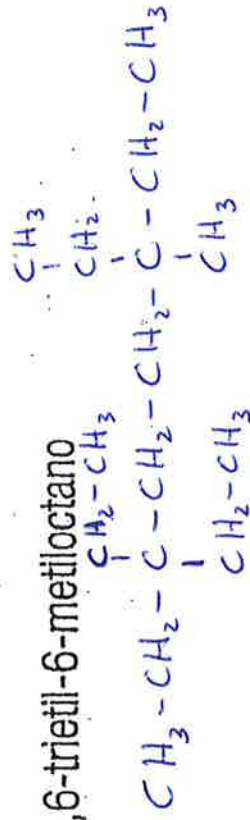
a) 2,2-dimetilpentano



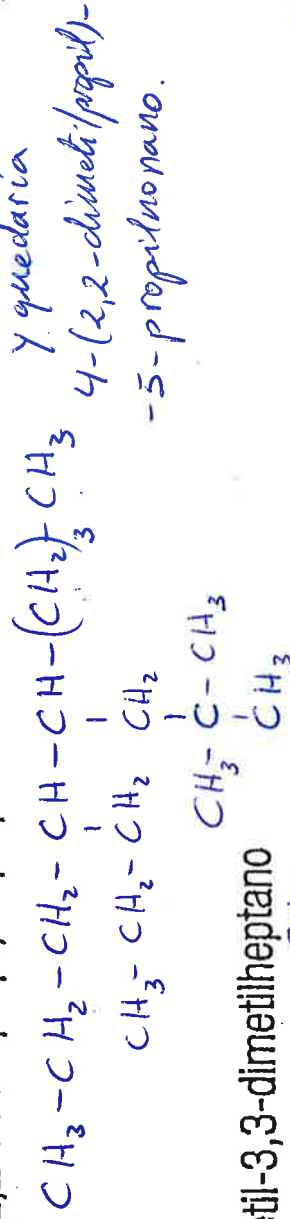
b) 3,5-dimetilheptano



c) 3,3,6-trietil-6-metiloctano

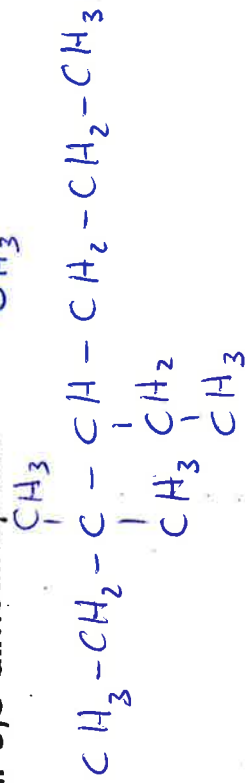


d) 5-(2,2-dimetilpropil)-4-propilnonano

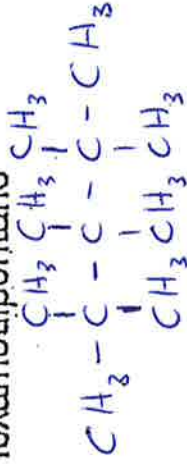


debería numerarse al revés y quedaría 4-(2,2-dimetilpropil)-5-propilnonano.

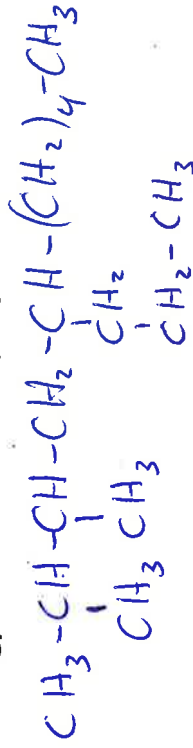
e) 4-etil-3,3-dimetilheptano



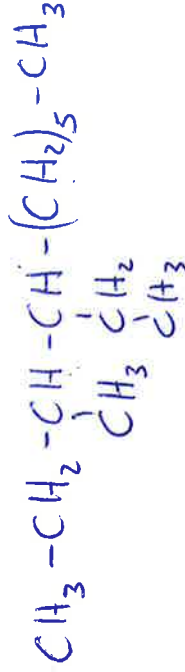
f) Hexametilpentano



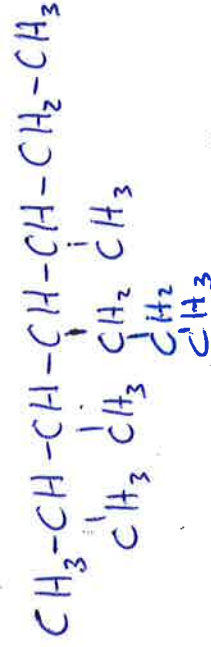
g) 2,3-dimetil-5-propildecano



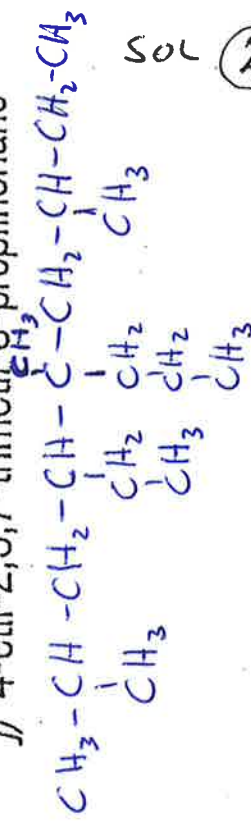
h) 4-etil-3-metildecano



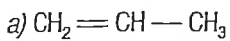
i) 2,3,5-trimetil-4-propilheptano



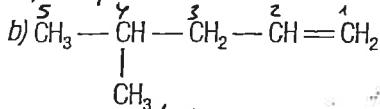
j) 4-etil-2,5,7-trimetil-5-propilnonano



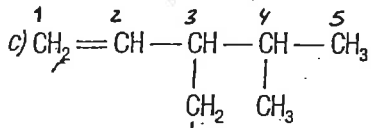
7. Nombra los siguientes compuestos:



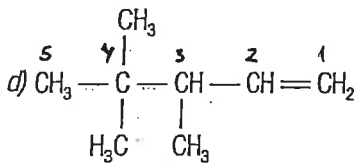
propeno



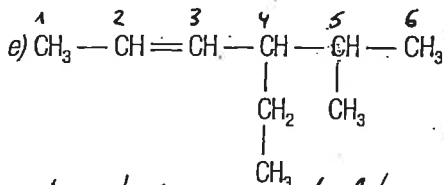
4-metilprop-1-eno



3-etil-4-metilpent-1-eno



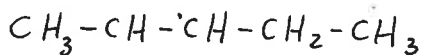
3,4,4-trimetilpent-1-eno



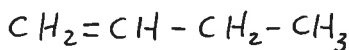
4-etil-5-metilhex-2-eno

8. Formula los compuestos siguientes:

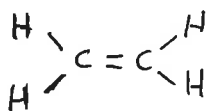
a) 2-penteno



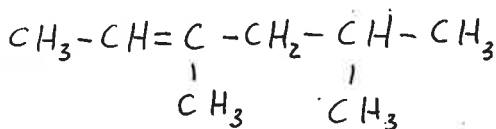
b) 1-buteno



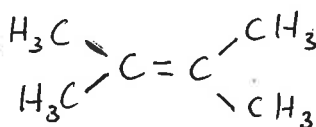
c) Eteno



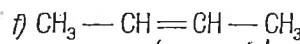
d) 3,5-dimetil-2-hexeno



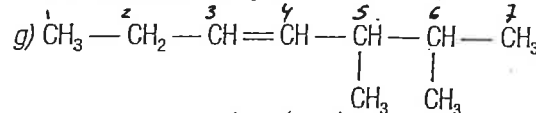
e) 2,3-dimetil-2-buteno



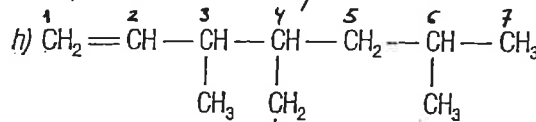
3 Sol



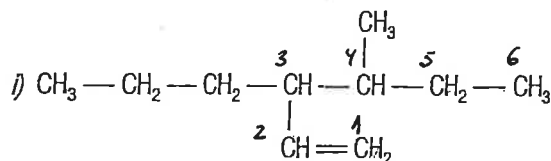
2-buteno (but-2-eno)



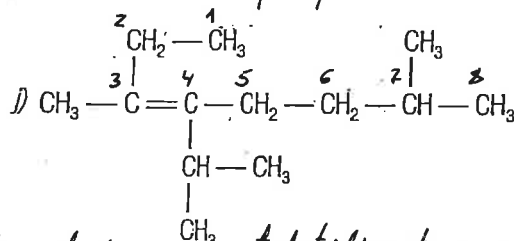
5,6-dimetilhept-3-eno



4-etil-3,6-dimetilhept-1-eno

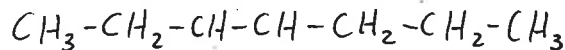


4-metil-3-propilhex-1-eno

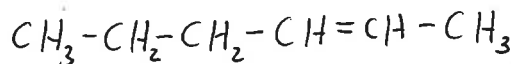


3,7-dimetil-4-(metiletil)oct-3-eno
isopropil

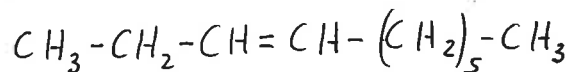
f) 3-hepteno



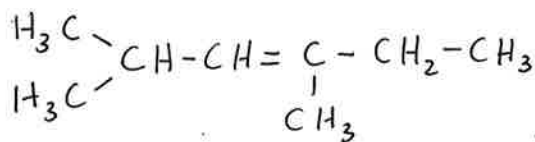
g) 2-hexeno



h) 3-deceno



i) 2,4-dimetil-3-hexeno

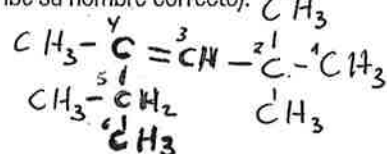


j) 4,4-dimetil-2-(1-metiletil)-2-penteno

(Formula este compuesto y comprueba si está bien nombrado. Si no es así escribe su nombre correcto).

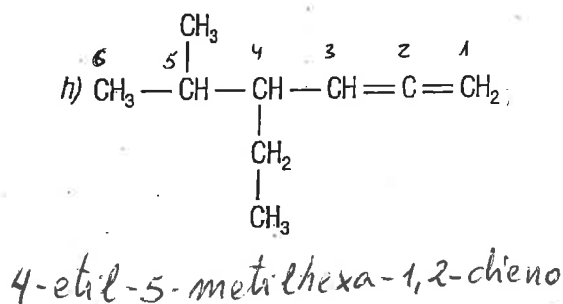
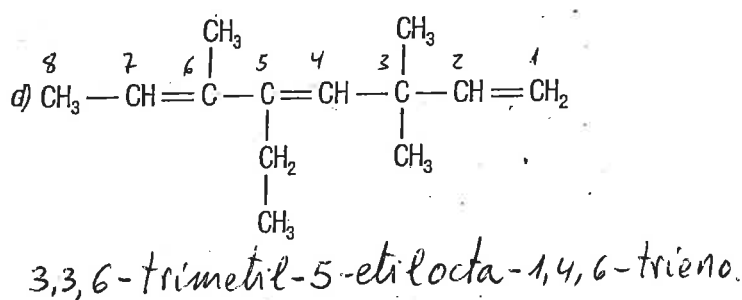
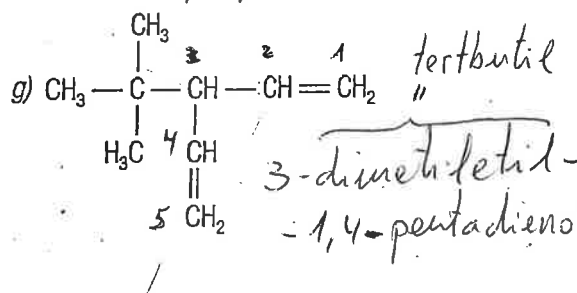
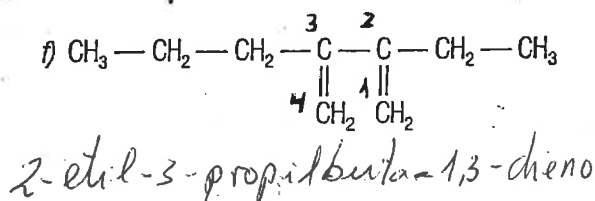
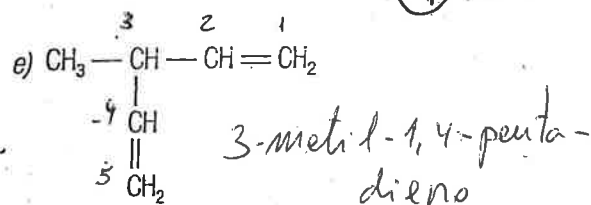
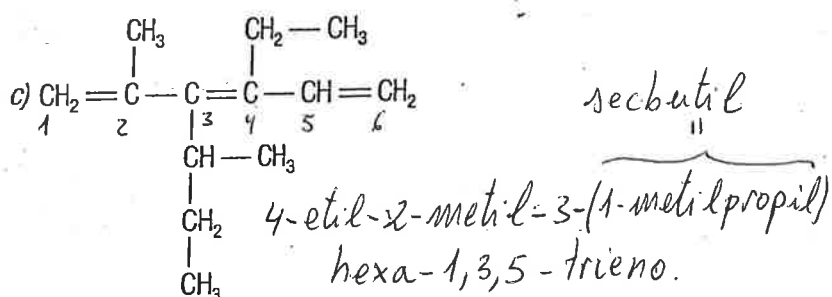
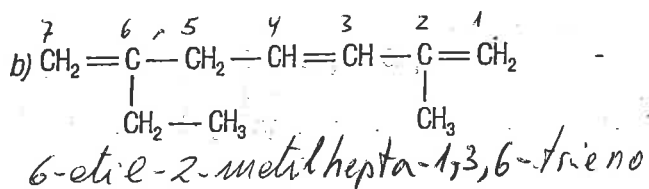
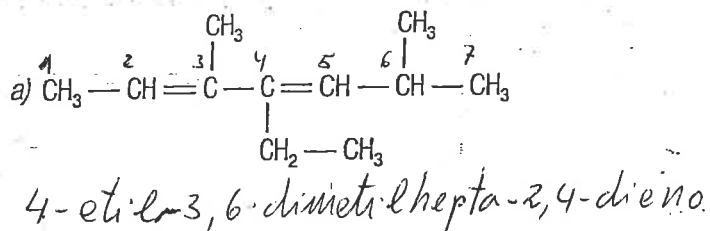
2,2,4,5-tetrametil-

-hex-3-eno



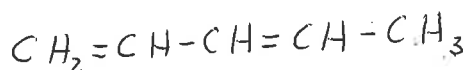
9 Nombra los siguientes compuestos:

(4) SOL

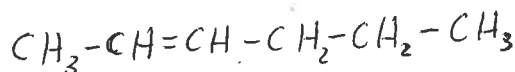


10 Formula los compuestos siguientes:

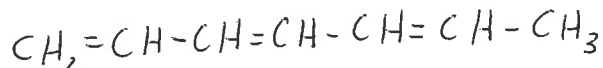
a) 1,3-pentadieno



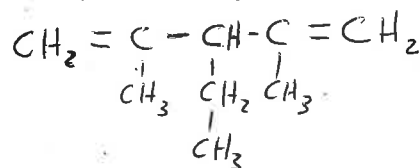
e) 2-hexeno



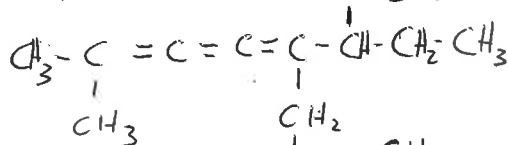
b) 1,3,5-heptatrieno



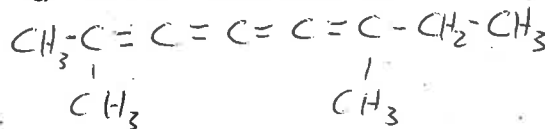
f) 3-etil-2,3-dimetil-1,4-pentadieno



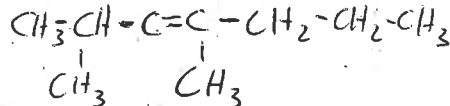
c) 5-etil-2,6-dimetil-2,3,4-octatrieno



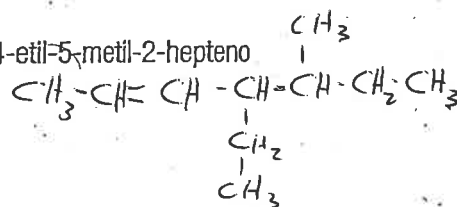
g) 2,6-dimetil-2,3,4,5-octatetraeno



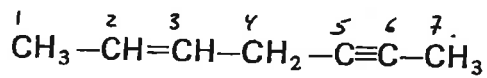
d) 3-etil-2,4-dimetil-3-hepteno



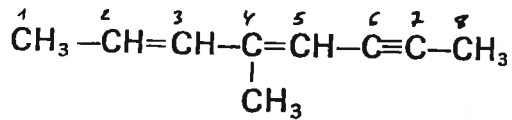
h) 4-etil-5-metil-2-hepteno



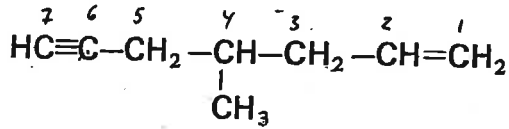
III-5



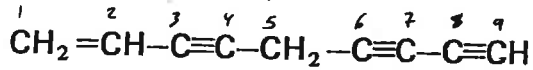
hept-2-en-5-ino



4-metilocta-2,4-dien-6-ino

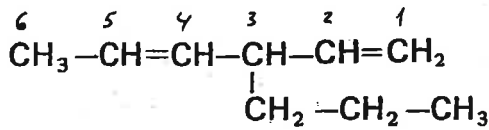


4-metilhept-1-en-6-ino

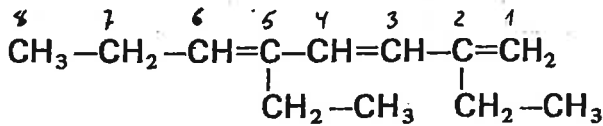


non-1-en-3,6,8-triino

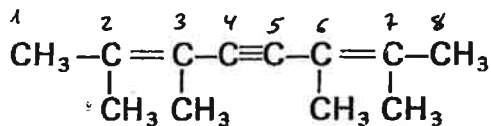
III-6



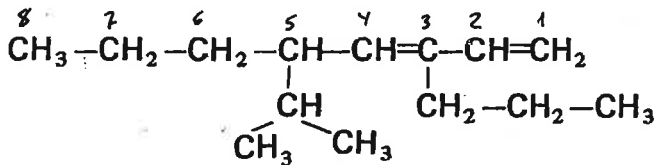
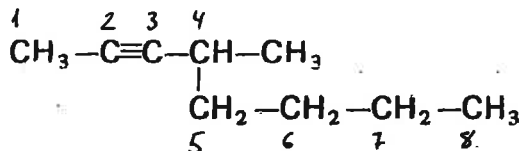
3-propilhexa-1,4-dieno



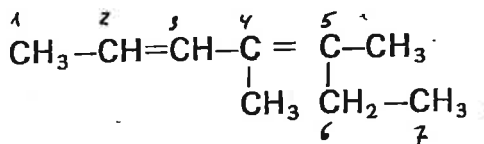
2,5-dietilocta-1,3,5-trieno



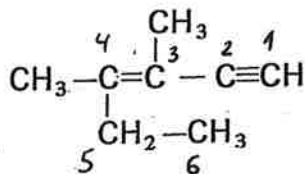
2,3,6,7-tetrametilocta-2,6-dien-4-ino

5-(metiletil)-3-propilocta-1,3-dieno
isopropil

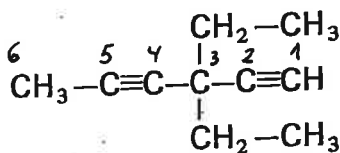
4-metiloct-2-ino



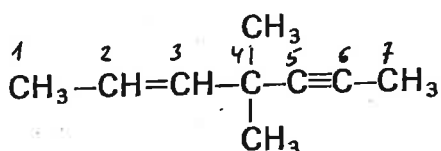
4,5-dimetilhepta-2,4-dieno



3,4-dimetilhex-3-en-1-ino



3,3-dietilhexa-1,4-diino



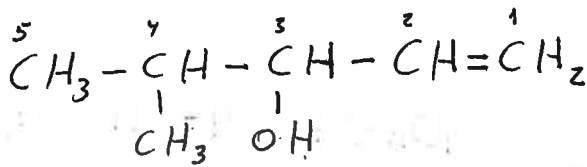
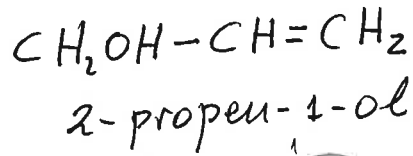
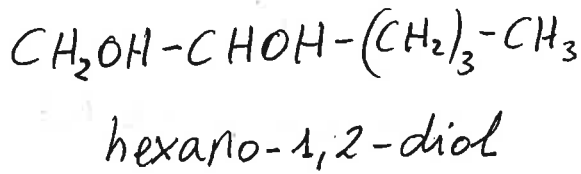
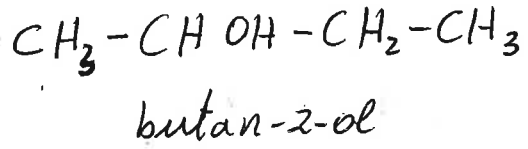
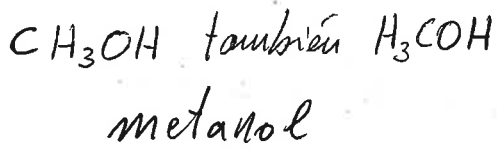
4,4-dimetilhept-2-en-5-ino

III-7 Formula

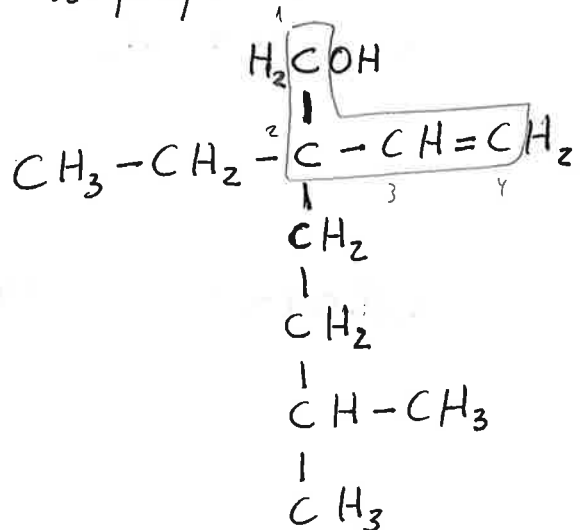
⑥ SOL

- 1) 4-metiloct-2-ino (4-metil-2-octino)
- $$\text{CH}_3 - \text{C} \equiv \text{C} - \underset{\text{CH}_3}{\text{CH}} - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$$
- 2) 3-propilhexa-1,4-dieno (3-propil-1,4-hexadieno)
- $$\text{CH}_2 = \text{CH} - \underset{\text{CH}_2}{\underset{\text{CH}_2}{\underset{\text{CH}_3}{\text{CH}}}} - \text{CH} = \text{CH} - \text{CH}_3$$
- 3) 2,5-dietilocta-1,3,5-trieno (2,5-dietil-1,3,5-octatrieno)
- $$\text{CH}_2 = \underset{\text{CH}_2}{\underset{\text{CH}_3}{\text{C}}} - \text{CH} = \underset{\text{CH}_2}{\underset{\text{CH}_3}{\text{C}}} - \text{CH} = \text{CH} - \text{CH}_2 - \text{CH}_3$$
- 4) hept-2-en-5-ino (2-hepten-5-ino)
- $$\text{CH}_3 - \text{CH} = \text{CH} - \text{CH}_2 - \text{C} \equiv \text{C} - \text{CH}_3$$
- 5) 4-metilhept-1-en-6-ino (4-metil-1-hepten-6-ino)
- $$\text{CH}_2 = \text{CH} - \text{CH}_2 - \underset{\text{CH}_3}{\text{CH}} - \text{CH} - \text{C} \equiv \text{CH}$$
- 6) non-1-en-3,6,8-triino (1-nonen-3,6,8-triino)
- $$\text{CH}_2 = \text{CH} - \text{C} \equiv \text{C} - \text{CH}_2 - \text{C} \equiv \text{C} - \text{C} \equiv \text{CH}$$
- 7) 2,3,6,7-tetrametilocta-2,6-dien-4-ino (2,3,6,7-tetrametil-2,6-octadien-4-ino)
- $$\text{CH}_3 - \underset{\text{CH}_3}{\text{C}} = \underset{\text{CH}_3}{\text{C}} - \text{C} \equiv \text{C} - \underset{\text{CH}_3}{\text{C}} = \underset{\text{CH}_3}{\text{C}} - \text{CH}_3$$
- 8) 5-isopropil-3-propilocta-1,3-dieno (5-isopropil-3-propil-1,3-octadieno)
- $$\text{CH}_2 - \text{CH} - \underset{\text{CH}_2}{\underset{\text{CH}_2}{\underset{\text{CH}_3}{\text{C}}}} = \underset{\text{CH}_2}{\underset{\text{CH}-\text{CH}_3}{\text{C}}} - \text{CH} - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$$
- 9) 4,5-dimetilhepta-2,4-dieno (4,5-dimetil-2,4-heptadieno)
- $$\text{CH}_3 - \text{CH} = \underset{\text{H}_3\text{C}}{\text{C}} - \underset{\text{CH}_3}{\text{C}} = \text{C} - \text{CH}_2 - \text{CH}_3$$
- 10) 3,4-dimetilhex-3-en-1-ino (3,4-dimetil-3-hexen-1-ino)
- $$\text{CH} \equiv \text{C} - \underset{\text{CH}_3}{\text{C}} = \underset{\text{CH}_3}{\text{C}} - \text{CH}_2 - \text{CH}_3$$
- 11) 4,4-dimetilhept-2-en-5-ino (4,4-dimetil-2-hepten-5-ino)
- $$\text{CH}_3 - \text{CH} = \text{CH} - \underset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}} - \text{C} \equiv \text{C} - \text{CH}_3$$
- 12) 4-metilocta-2,4-dien-6-ino (4-metil-2,4-octadien-6-ino)
- $$\text{CH}_2 - \text{CH} = \text{CH} - \underset{\text{CH}_3}{\text{C}} = \text{CH} - \text{C} \equiv \text{C} - \text{CH}_3$$
- 13) 7-butil-9,10,10-trietil-9-metil-4,4-dipropildodeca-1,2-dien-5-ino (7-butil-9,10,10-trietil-9-metil-4,4-dipropil-1,2-dodecadien-5-ino)
- $$\text{CH}_2 = \text{C} = \underset{\text{CH}_2}{\underset{\text{CH}_2}{\underset{\text{CH}_3}{\text{CH}}}} - \underset{\text{CH}_2}{\underset{\text{CH}_2}{\underset{\text{CH}_3}{\text{C}}}} - \text{C} \equiv \text{C} - \underset{\text{CH}_2}{\text{CH}} - \text{CH}_2 - \underset{\text{CH}_3}{\text{C}} - \underset{\text{CH}_2}{\text{C}} - \text{CH}_2 - \text{CH}_3$$

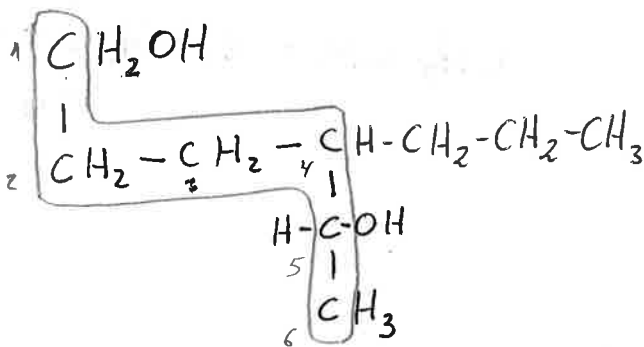
Escribe el nombre de los siguientes compuestos ^{(7) SOL}



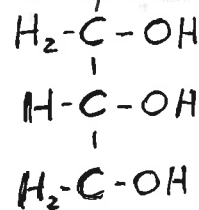
4-metilpent-1-en-3-ol



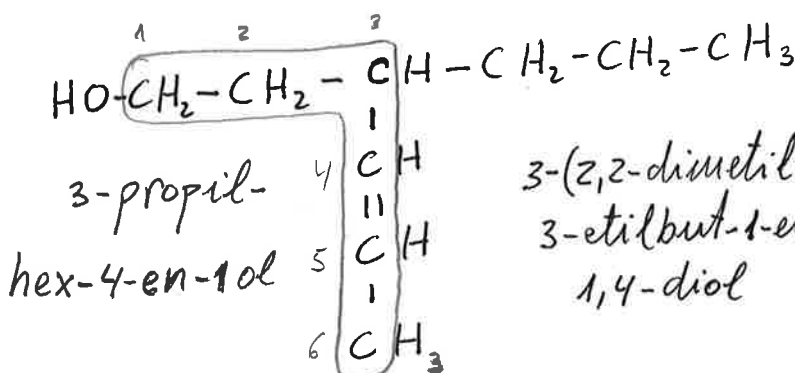
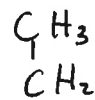
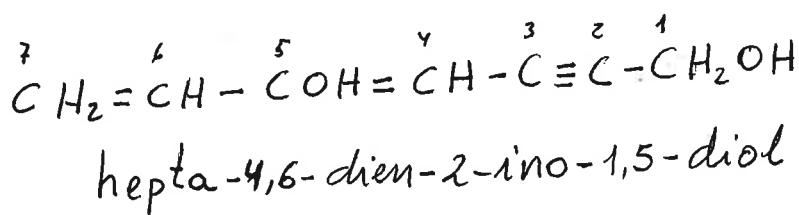
2-etil-2-(3-metilbutil)but-3-en-1-ol



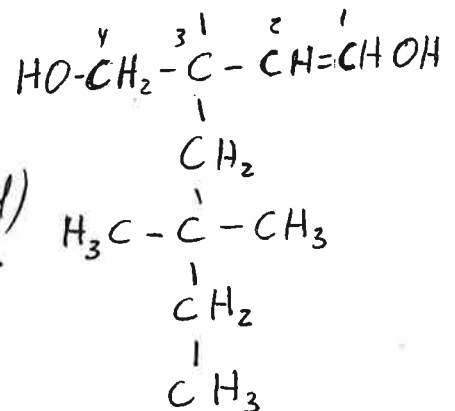
4-propilhexano-1,5-diol



propanotriol
(glicerina)



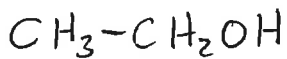
3-(2,2-dimetilbutil)
3-etilbut-1-eno-1,4-diol



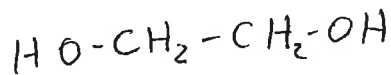
Formula los siguientes compuestos (SOLUCIÓN)

8 SOL

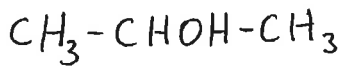
Etanol



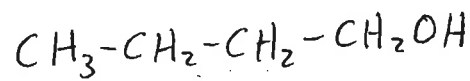
Etanodiol



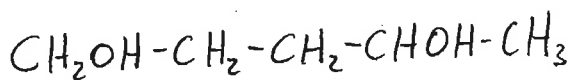
2-propanol



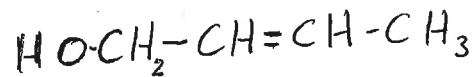
butan-1-ol



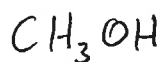
pentano-1,4-diol



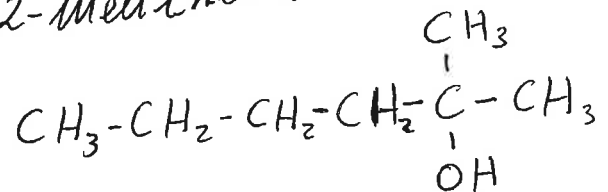
2-buten-1-ol (but-2-en-1-ol)



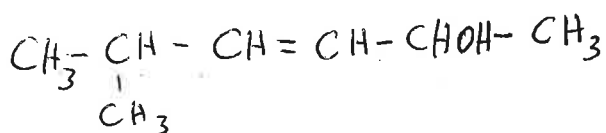
metanol



2-metilhexan-2-ol

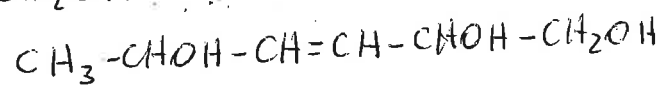
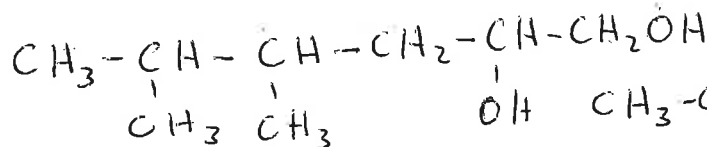


5-metilhex-3-en-2-ol

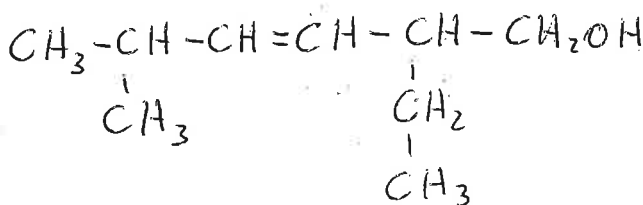


6,6-dimetilhept-4-in-2-ol

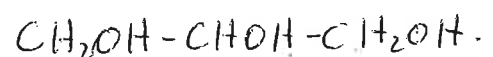
3,4-dimetilhexano-1,3-diol hex-3-eno-1,2,5-triol



2-etil-4-metilhex-3-en-1-ol

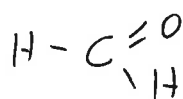


1,2,3-propanotriol
(glicerina o gliceral)

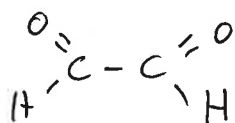


Escribe la fórmula de los siguientes compuestos. ⑨ SOL

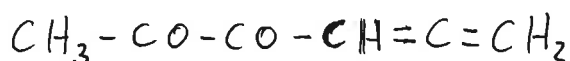
metanal



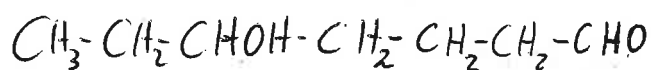
etanodial



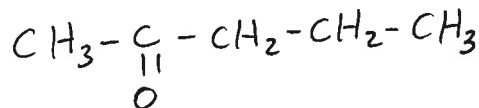
hexa-4,5-dien-2,3-diona



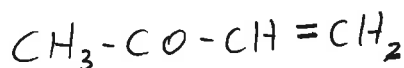
3-hidroxiheptanal



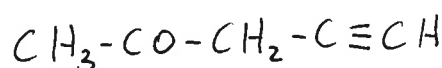
pentan-2-ona
(2-pentanona)



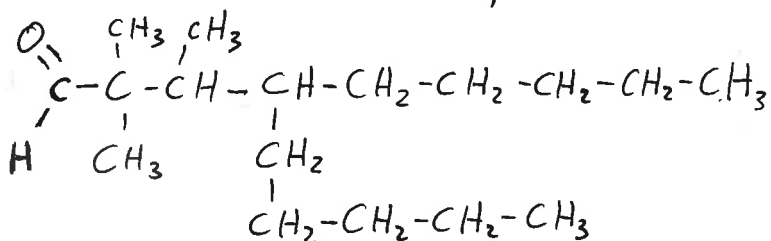
butenona



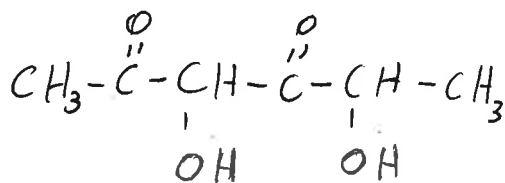
pent-4-in-2-ona



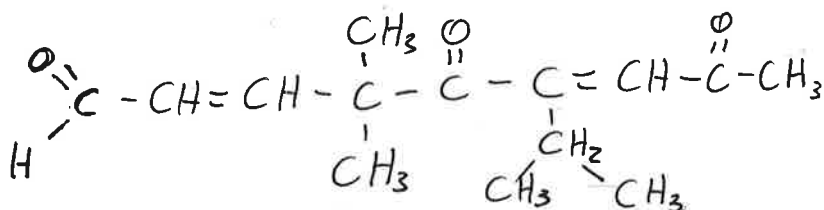
2,2,3-trimetil-4-pentilnonanal



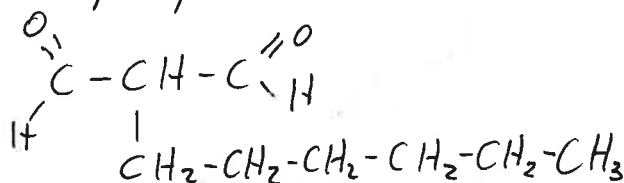
3,5-dihidroxi-2,4-hexanodiona



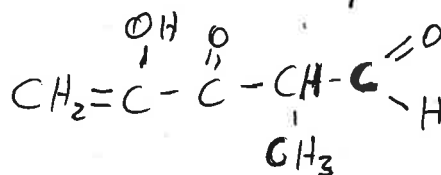
4,4-dimetil-6(isopropil)-
-5,8-dioxonona-2,6-dienal



hexilpropanodial

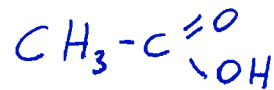


4-hidroxi-2-metil-3-oxopent-4-enal

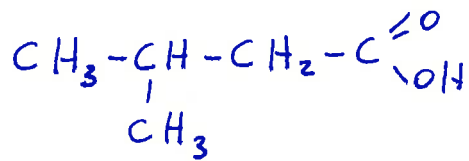


Escribe las fórmulas de los siguientes compuestos (11) Sol.

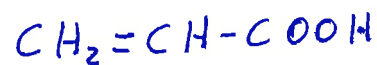
1) ácido metanoico (ácido fórmico) 2) ácido etanoico (acético)



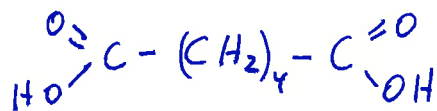
3) ácido 3-metilbutanoico



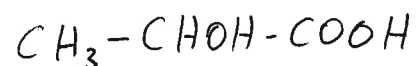
4) ácido propenoico.



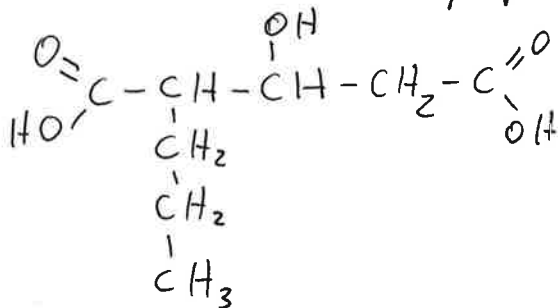
5) ácido hexanoico
(ácido adipídico)



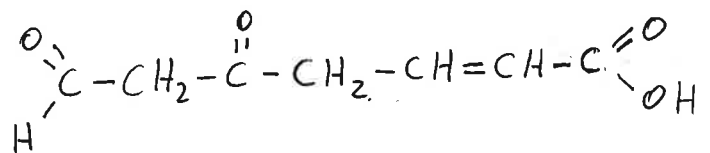
6) ácido 2-hidroxipropanoico
(ácido láctico)



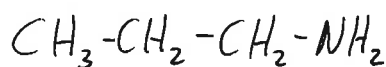
7) ácido 3-hidroxi-2-propilpentanoico



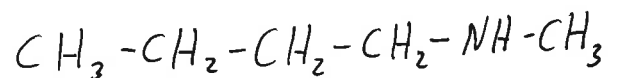
8) ácido 5,7-dioxohept-2-enoico



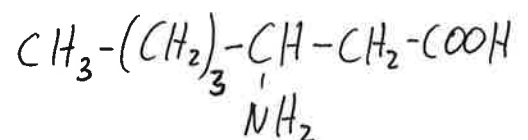
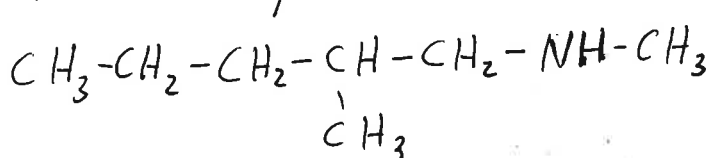
9) propanamina



10) N-metilbutanamina



11) 2,N-dimetilpentanamina 12) ácido 3-aminoheptanoico.



Escribe los nombres de los siguientes compuestos. (12) SOL.

