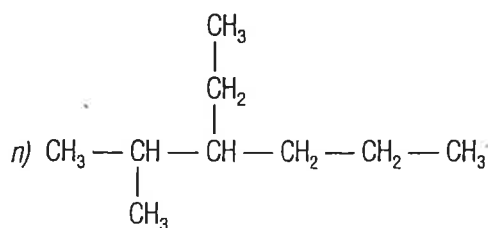
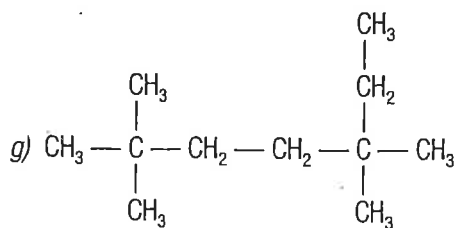
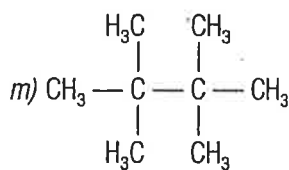
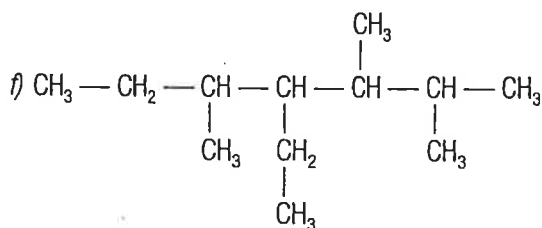
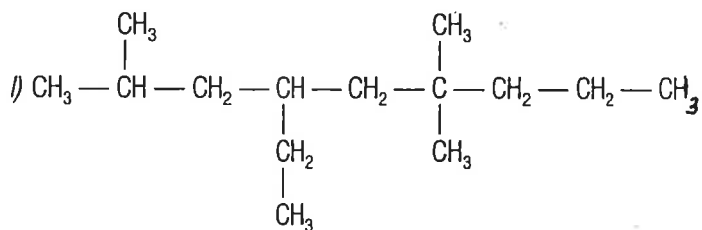
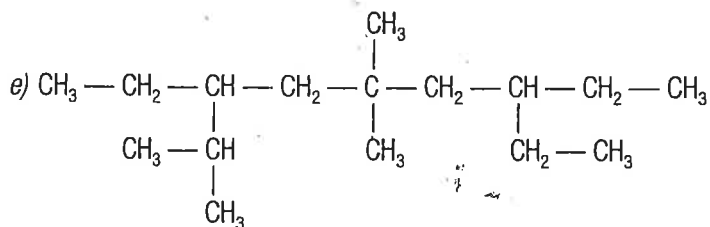
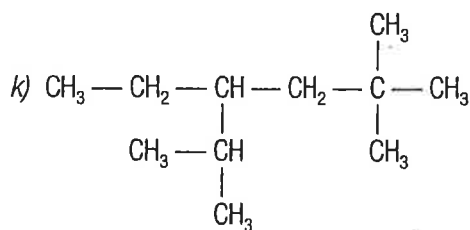
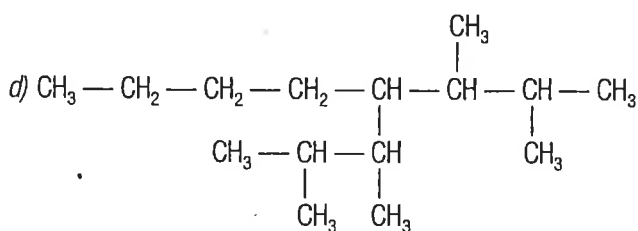
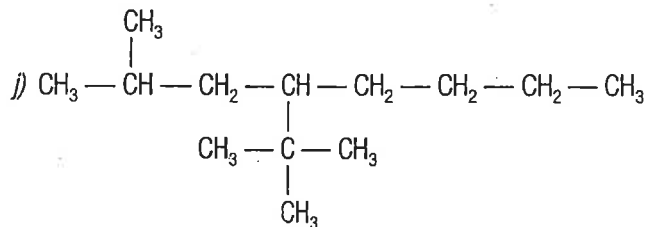
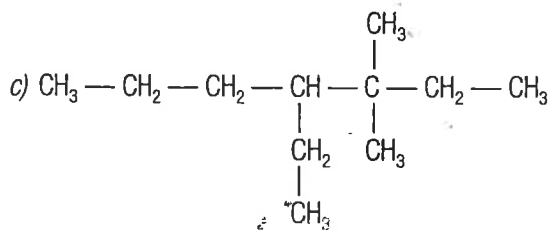
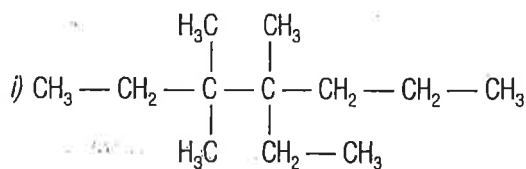
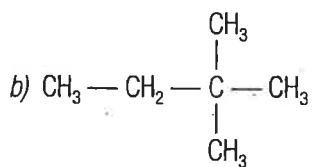
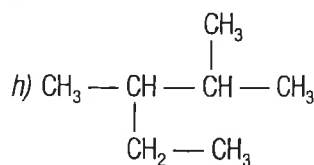
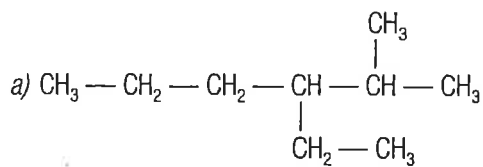


5 Nombra los siguientes alcanos:

1



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

e) 4-etil-3,3,3-dimetilheptano

f) Hexametilpentano

g) 2,3-dimetil-5-propildecano

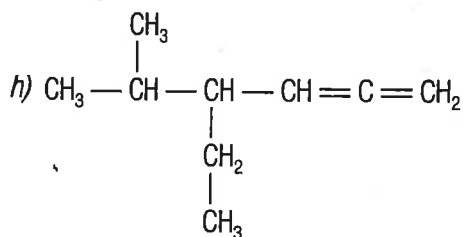
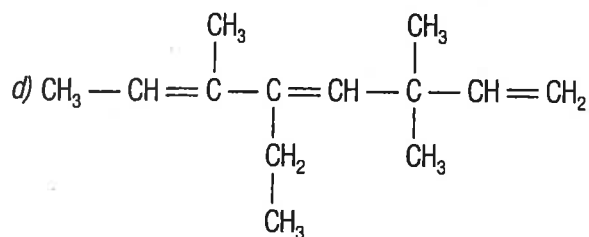
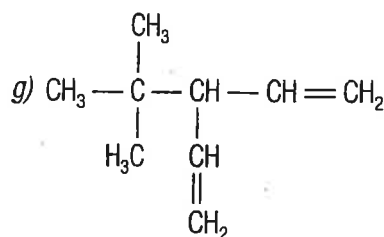
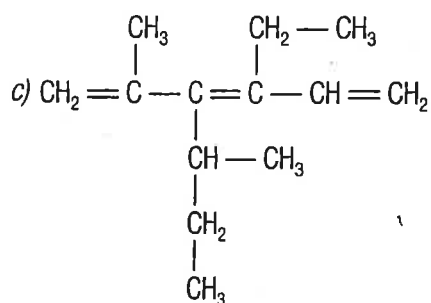
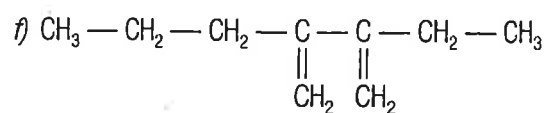
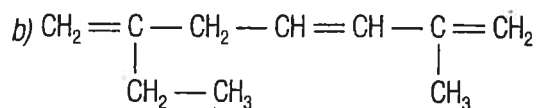
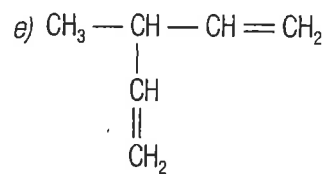
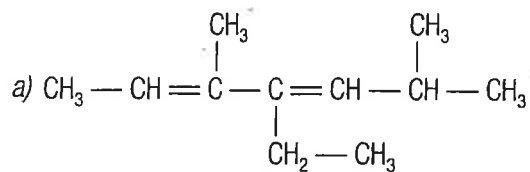
h) 4-etil-3-metildecano

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

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

9 Nombra los siguientes compuestos:

4



10 Formula los compuestos siguientes:

a) 1,3-pentadieno

e) 2-hexeno

b) 1,3,5-heptatrieno

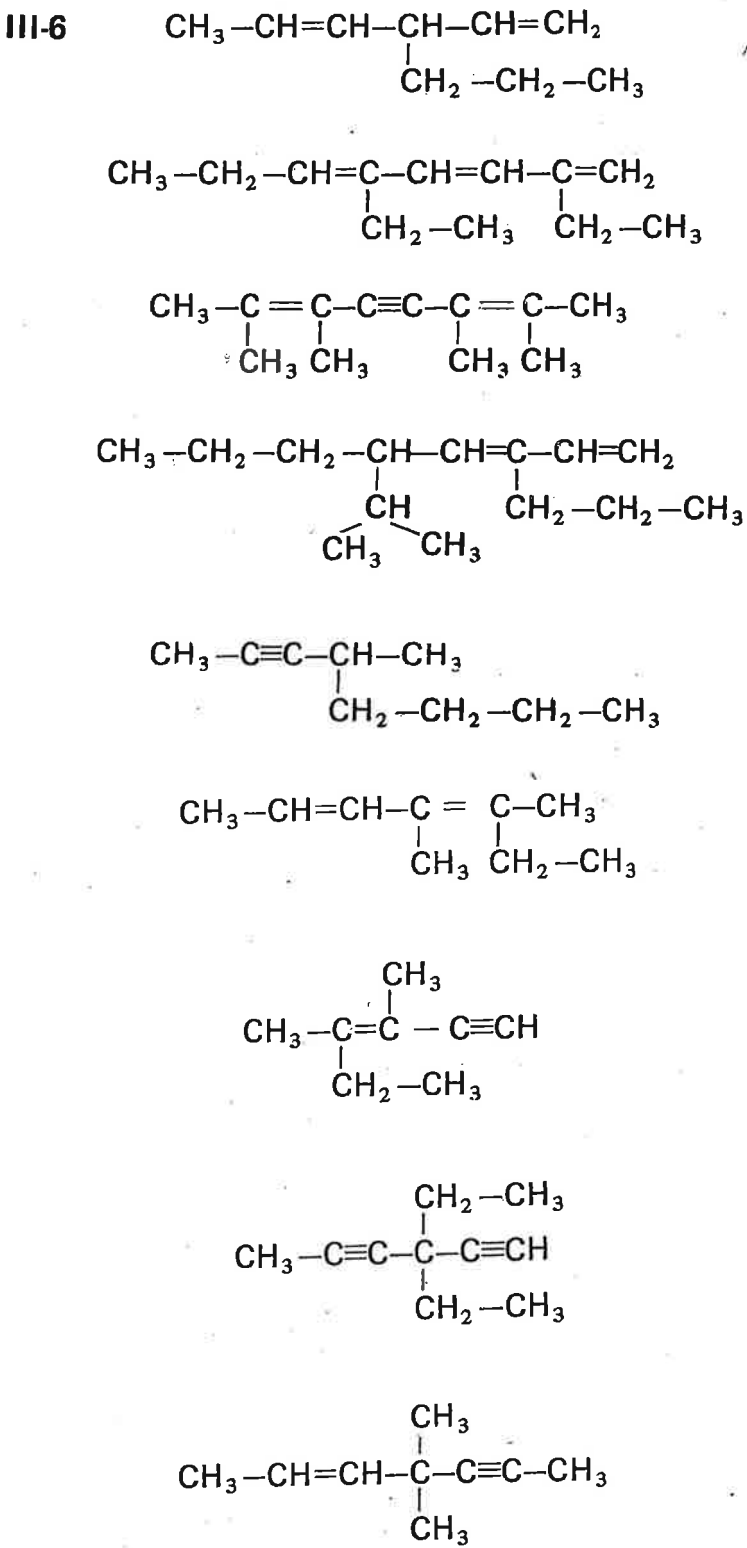
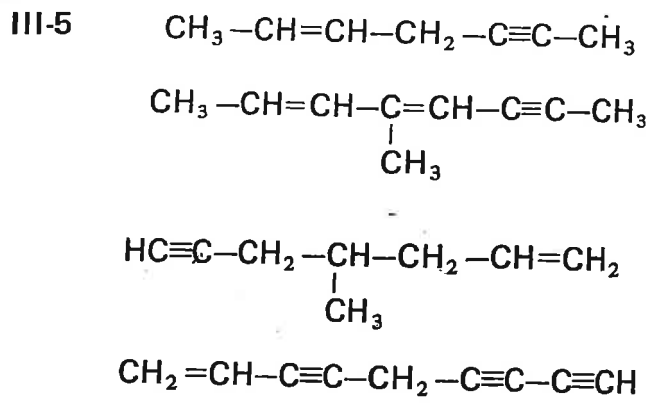
f) 3-etil-2,3-dimetil-1,4-pentadieno

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



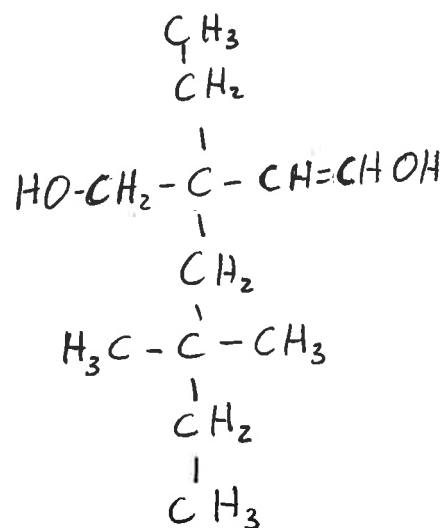
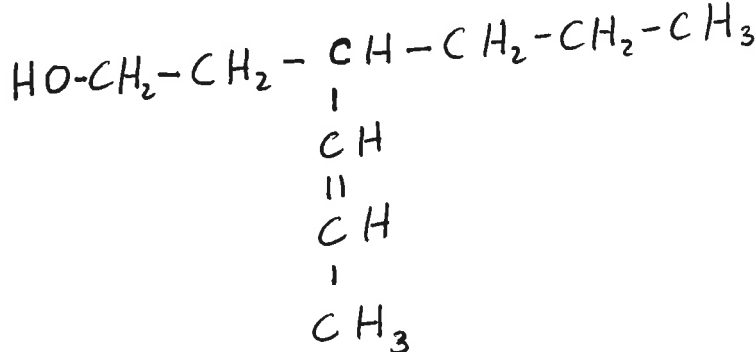
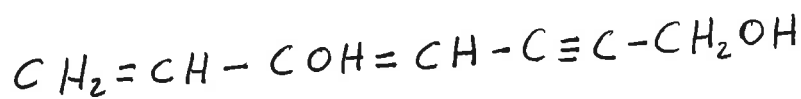
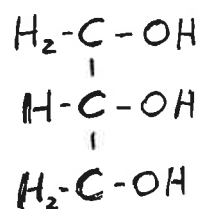
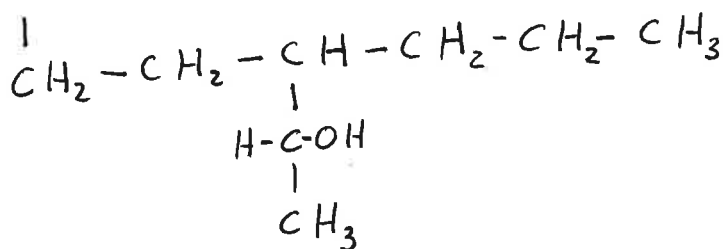
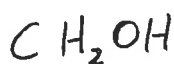
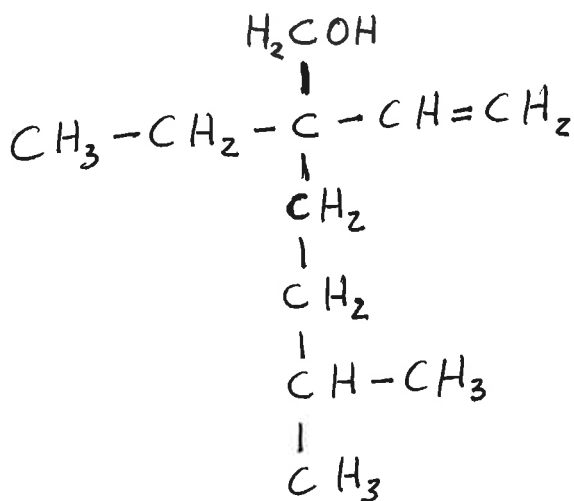
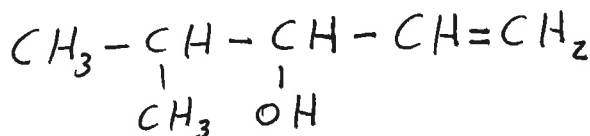
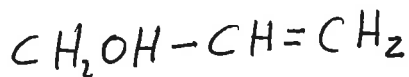
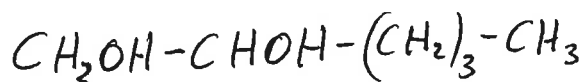
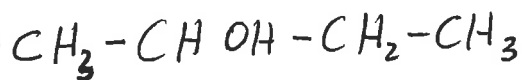
III-7 Formula

6

- | | | | |
|------------|--|------------|--|
| 1) | 4-metilocta-2-ino
(4-metil-2-octino) | 7) | 2,3,6,7-tetrametilocta-2,6-dien-4-ino
(2,3,6,7-tetrametil-2,6-octadien-4-ino) |
| 2) | 3-propilhexa-1,4-dieno
(3-propil-1,4-hexadieno) | 8) | 5-isopropil-3-propilocta-1,3-dieno
(5-isopropil-3-propil-1,3-octadieno) |
| 3) | 2,5-dietilocta-1,3,5-trieno
(2,5-dietil-1,3,5-octatrieno) | 9) | 4,5-dimetilhepta-2,4-dieno
(4,5-dimetil-2,4-heptadieno) |
| 4) | hept-2-en-5-ino
(2-hepten-5-ino) | 10) | 3,4-dimetilhex-3-en-1-ino
(3,4-dimetil-3-hexen-1-ino) |
| 5) | 4-metilhept-1-en-6-ino
(4-metil-1-hepten-6-ino) | 11) | 4,4-dimetilhept-2-en-5-ino
(4,4-dimetil-2-hepten-5-ino) |
| 6) | non-1-en-3,6,8-triino
(1-nonen-3,6,8-triino) | 12) | 4-metilocta-2,4-dien-6-ino
(4-metil-2,4-octadien-6-ino) |
| 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) | | |

Escribe el nombre de los siguientes compuestos

7



Formula dos siguientes compuestos

8

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

metanal

pentan-2-ona
(2-pentanona)

etanodial

butenona

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

pent-4-in-2-ona

3-hidroxiheptanal

2,2,3-trimetil-4-pentilnonanal

3,5-dihidroxi-2,4-hexanodiona

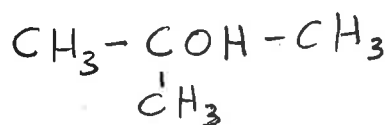
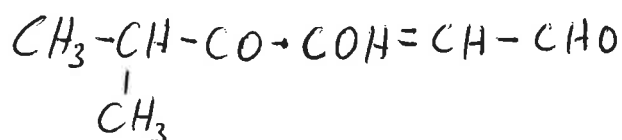
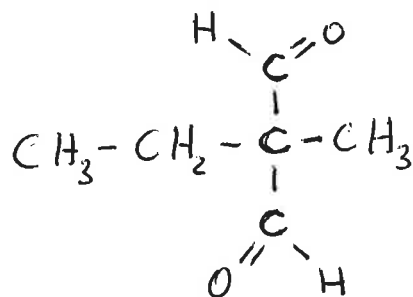
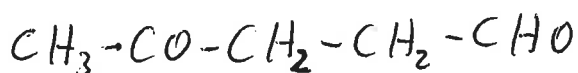
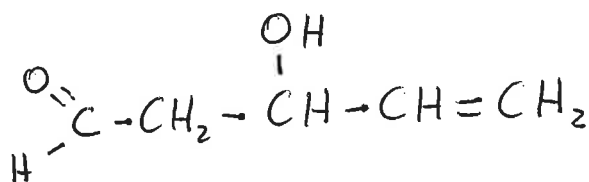
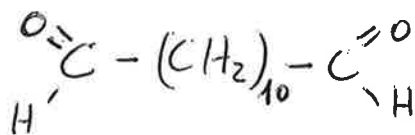
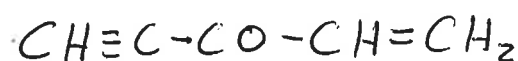
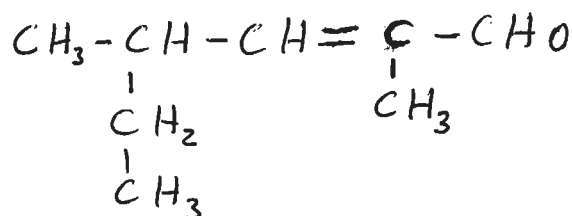
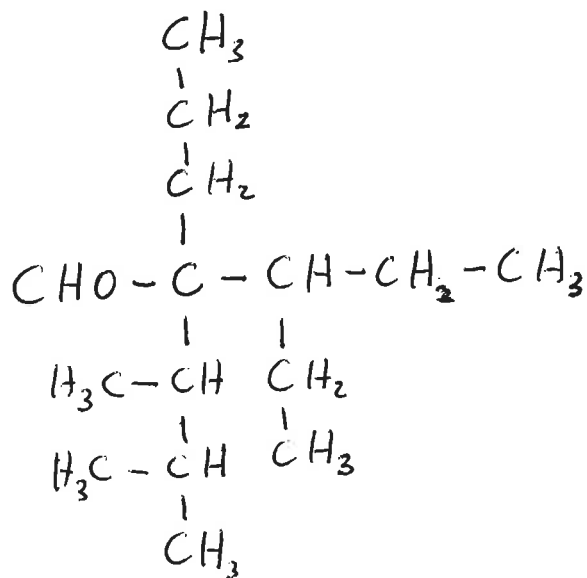
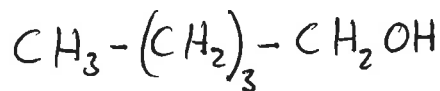
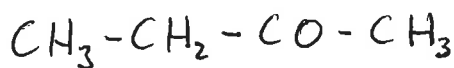
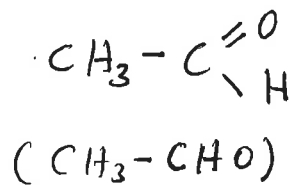
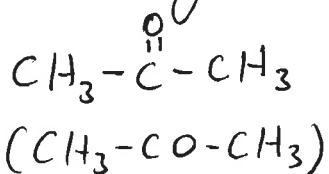
4,4-dimetil-6(metiletil)-
-5,8-dioxonona-2,6-dienal

hexilpropanodial

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

nombra los siguientes compuestos

(10)



Escribe las fórmulas de los siguientes compuestos

11

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

3) ácido 3-metilbutanoico

4) ácido propenoico.

5) ácido hexanoico
(ácido adipídico)

6) ácido hidroxipropanoico
(ácido láctico)

7) ácido 3-hidroxi-2-propilpentanoico

8) ácido 5,7-dioxohept-2-enoico

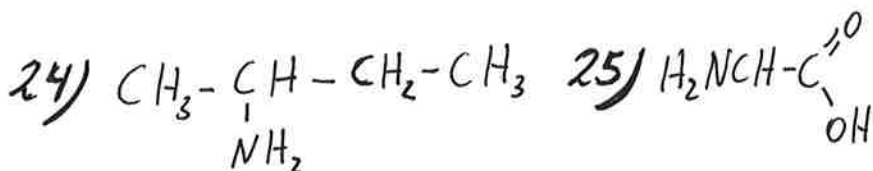
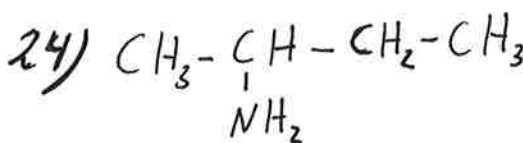
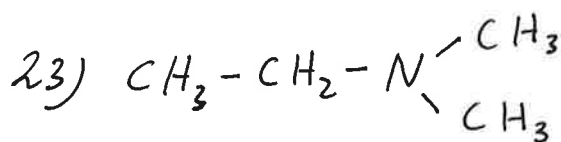
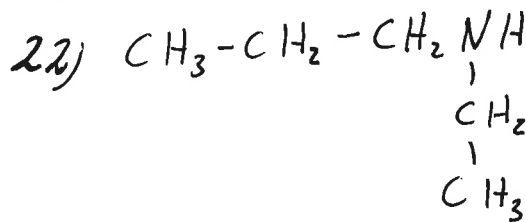
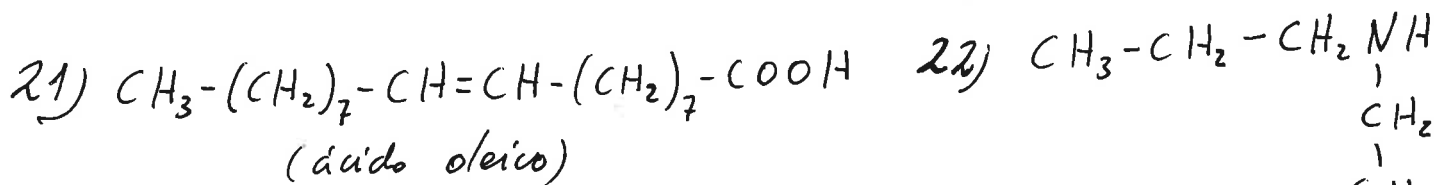
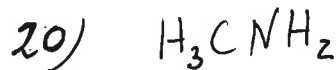
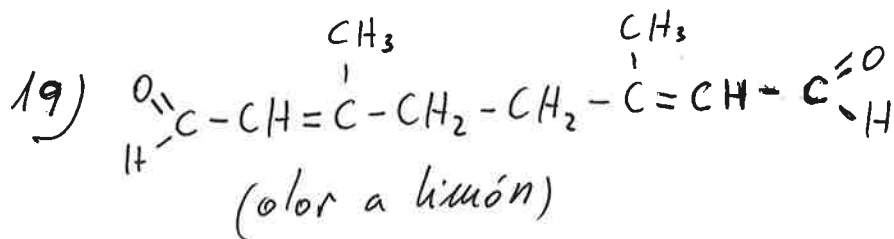
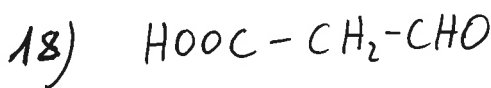
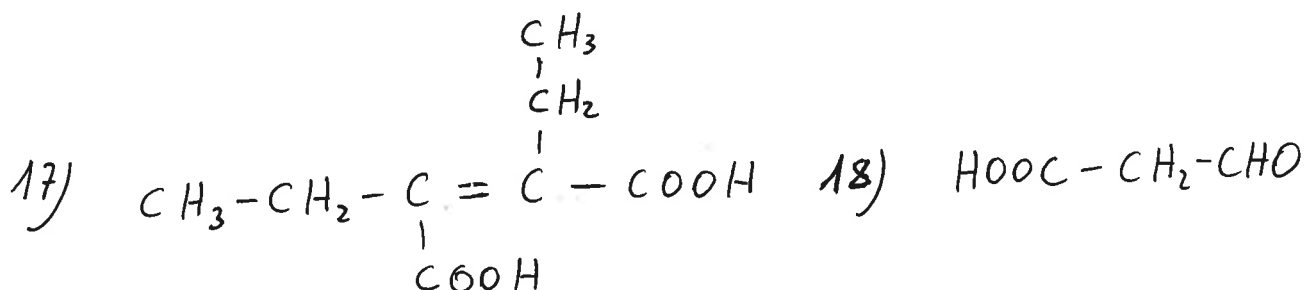
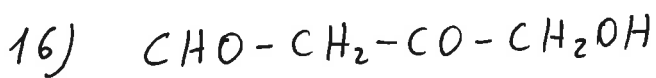
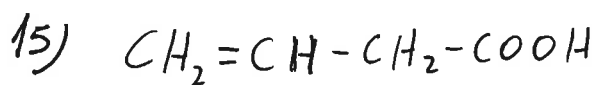
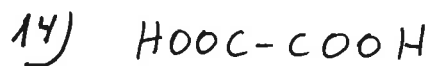
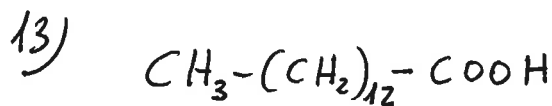
9) propanamina

10) N-metilbutanamina

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

Escribe los nombres de los siguientes compuestos.

(12)



1.- Escribe todos los isómeros que puedas del 2-metilpentano y del ciclopentano y escribe sus nombres. También del 1-butanol y del prop-1-en-1-ol.

2.- Determina si los siguientes compuestos tienen isomería geométrica y en caso afirmativo dibuja los isómeros y nómbralos.

- a) pent-2-eno
- b) 2-metilbut-2-eno
- c) metilpropeno
- d) 2-clorobut-2-eno
- e) ciclopentano
- f) ciclohexeno
- g) metilciclopentano
- h) 1,3-dimetilciclopentano.

3.- Entre los siguientes compuestos di cuáles son isómeros y de qué tipo.

