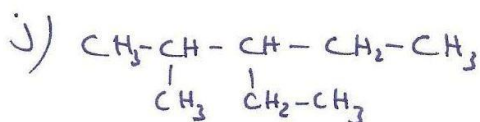
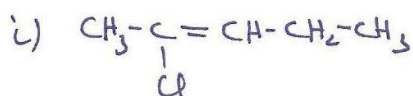
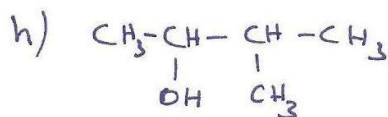
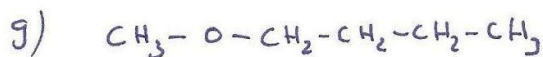
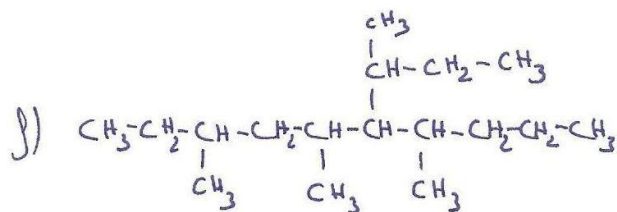
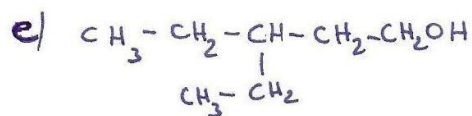
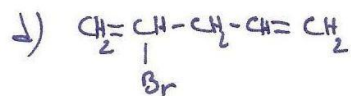
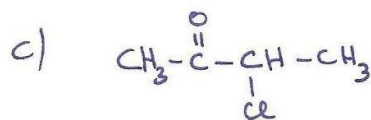
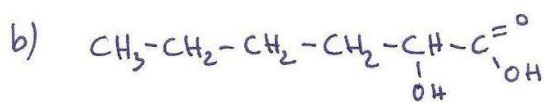
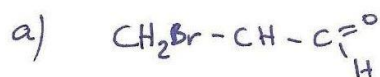


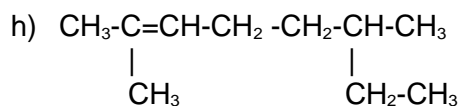
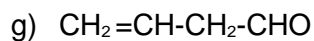
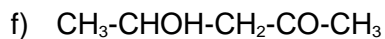
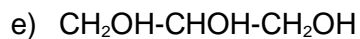
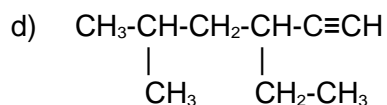
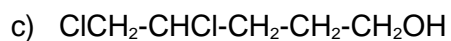
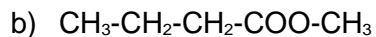
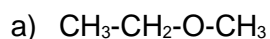
Ejercicios de formulación y nomenclatura de química orgánica. Soluciones

1. Formula las especies químicas siguientes:

- a) 3-bromopropanal
- b) ácido 2-hidroxihexanoico
- c) 3-clorobutan-2-ona
- d) 2-bromopenta-1,4-dieno
- e) 3-etilpentan-1-ol
- f) 3,5,7-trimetil-6-(1-metilpropil)decano
- g) metilbutiléter (metoxibutano)
- h) 3-metilbutan-2-ol
- i) 2-cloropent-2-eno
- j) 3-etil-2-metilpentano



2. Nombra las especies químicas siguientes:



a) etilmetiléter (metoxietano)

b) butanoato de metilo

c) 4,5-dicloropentan-1-ol

d) 3-etil-5-metilhex-1-ino

e) Propano-1,2,3-triol

f) 4-hidroxipentan-2-ona

g) But-3-enal

h) 2,6-dimetiloct-2-eno

3. Formula los siguientes compuestos:

a) 2,4-dimetil-4-etiloctano

b) 4-metilheptan-2-ona

c) ácido 2-aminobutanoico

d) propanoato de butilo

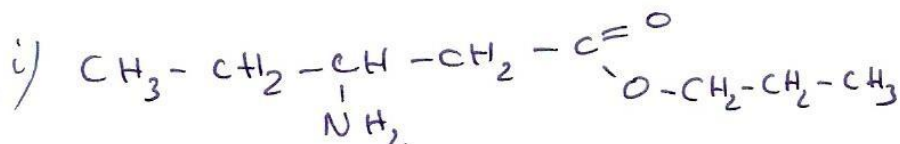
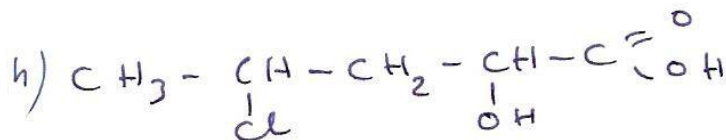
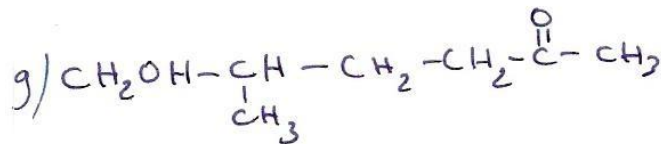
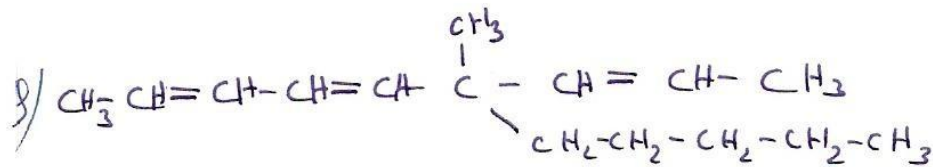
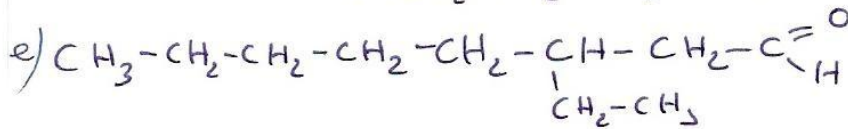
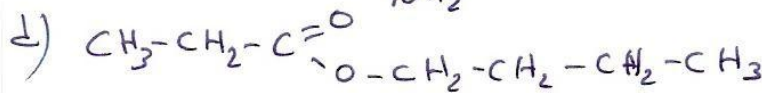
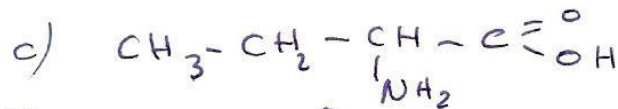
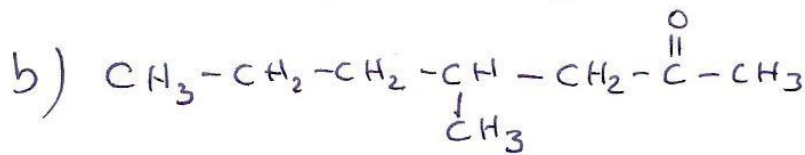
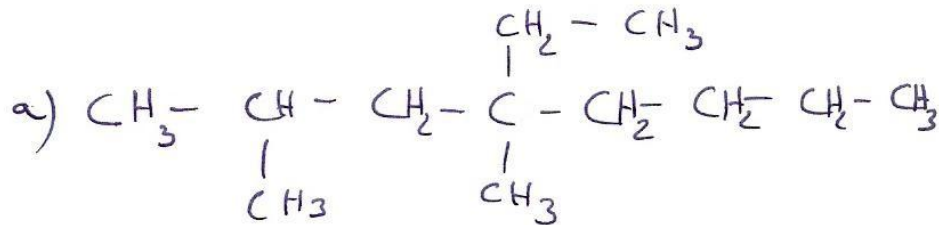
e) 3-etiloctanal

f) 6-metil-6-pentilnona-2,4,7-trieno

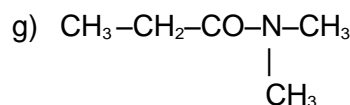
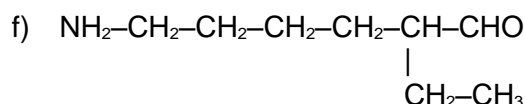
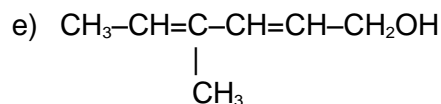
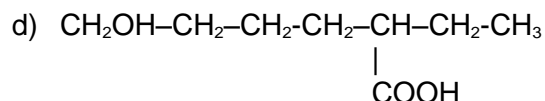
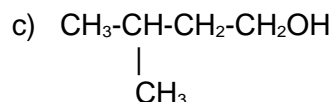
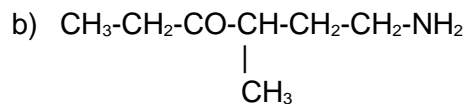
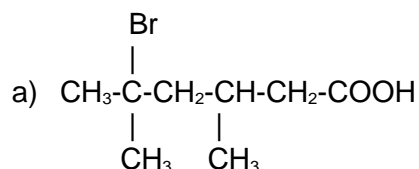
g) 6-hidroxi-5-metilhexan-2-ona

h) ácido 4-cloro-2-hidroxipentanoico

i) 3-aminopentanoato de propilo



4. Nombra los siguientes compuestos:



a) ácido 5-bromo-3,5-dimetilhexanoico

b) 6-amino-4-metil-hexan-3-ona

c) 3-metilbutan-1-ol

d) ácido 6-hidroxi-2-etilhexanoico

e) 4-metilhexa-2,4dien-1-ol

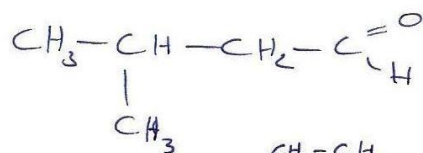
f) 6-amino-2-etil-hexanal

g) N,N-dimetilpropanamida.

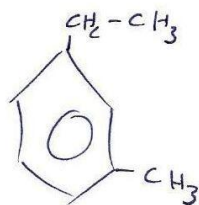
5. Formula las siguientes especies químicas:

- a) 3-metilbutanal
- b) 1-etil-3-metilbenceno
- c) Ácido 2-clorobut-3-enoico
- d) N-etilbutanamida

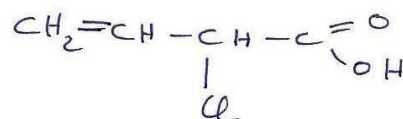
3-metil-butanal



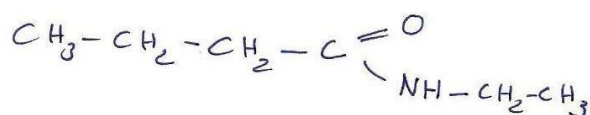
1-etil-3-metilbenceno



Ácido 2-clorobut-3-enoico

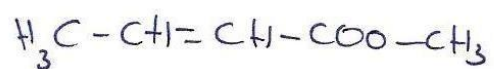


N-etilbutanamida

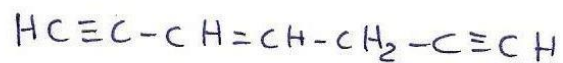


6. Nombra las siguientes especies químicas:

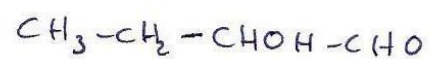
- a) $\text{H}_3\text{C}-\text{CH}=\text{CH}-\text{COO}-\text{CH}_3$
- b) $\text{HC}\equiv\text{C}-\text{CH}=\text{CH}-\text{CH}_2-\text{C}\equiv\text{CH}$
- c) $\text{CH}_3-\text{CH}_2-\text{CHOH}-\text{CHO}$
- d) $\text{H}_3\text{C}-\text{CH}(\text{Cl})-\text{CH}_2-\text{CH}_2-\text{CH}_2\text{OH}$



But-2-enoato de metilo



Hept-3-en-1,6-diino



2-hidroxi-butanal



4-cloropentan-1-ol