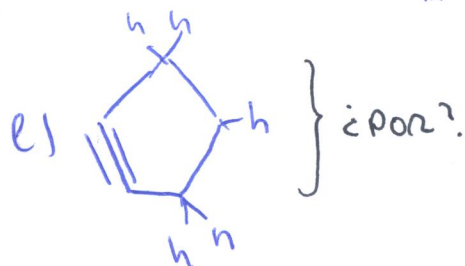
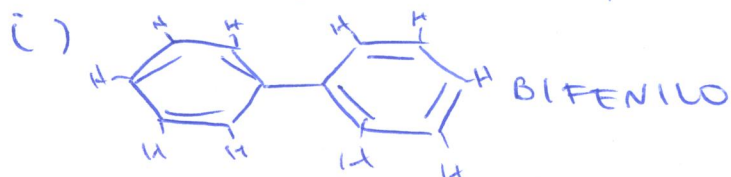
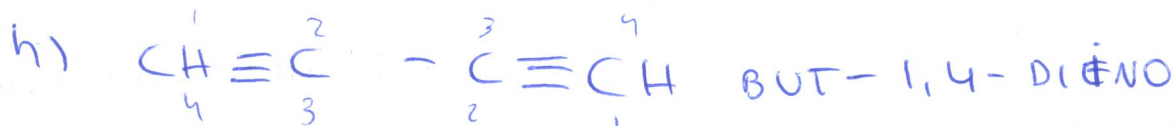
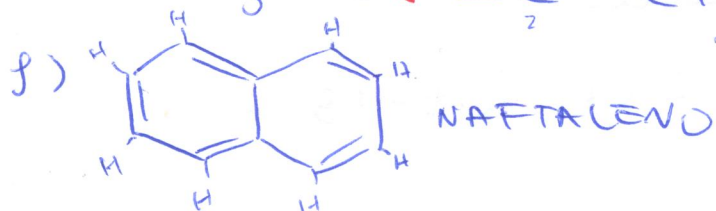
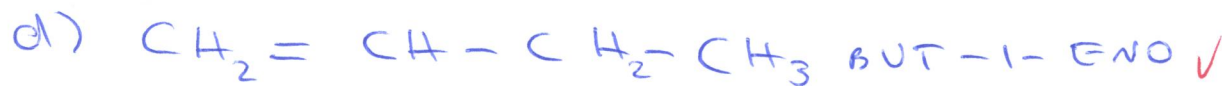


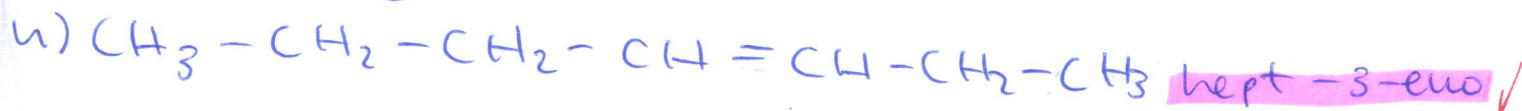
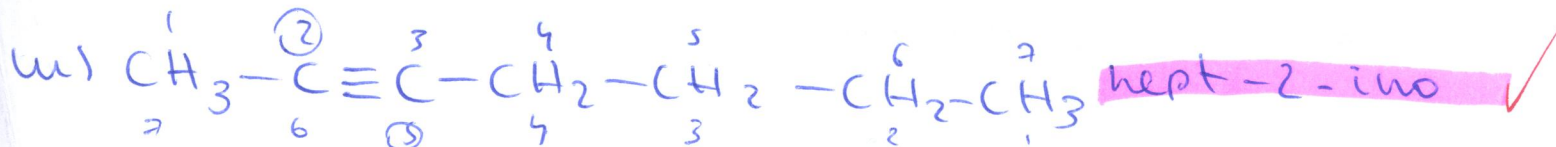
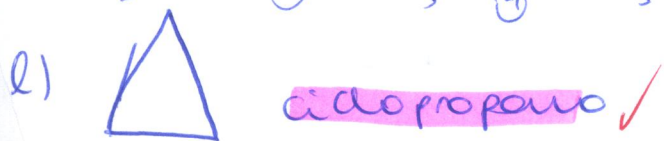
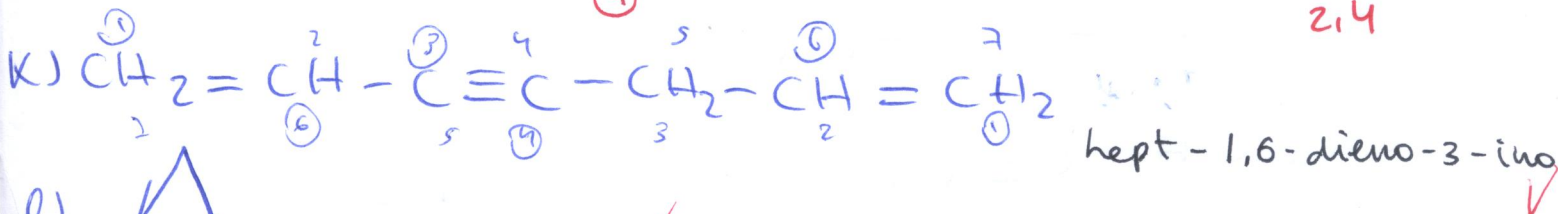
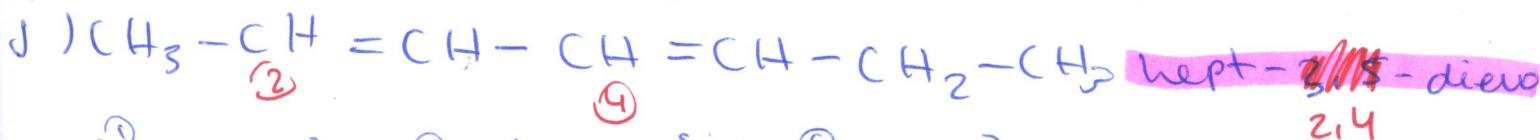
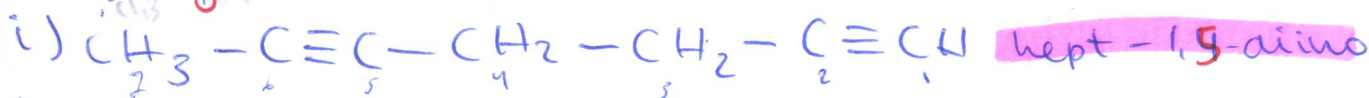
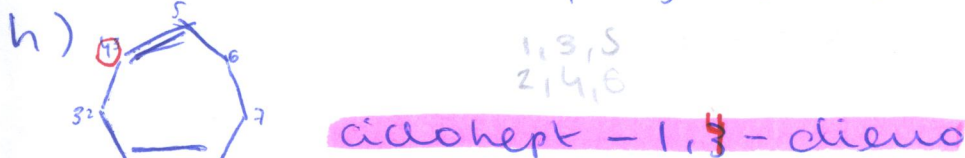
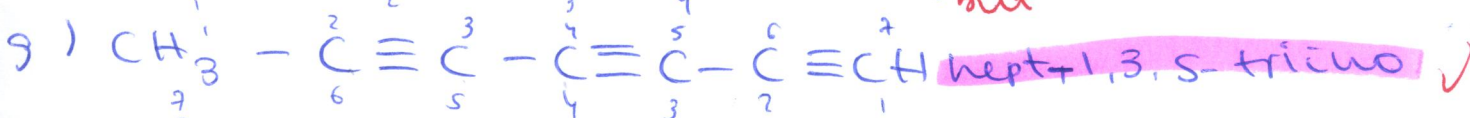
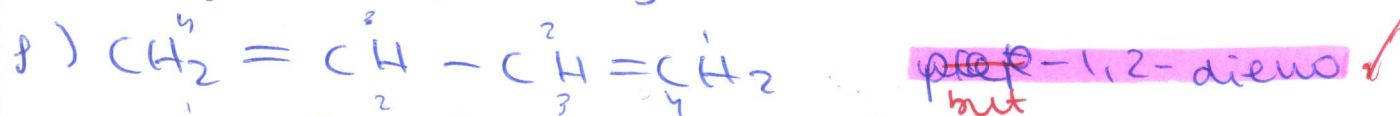
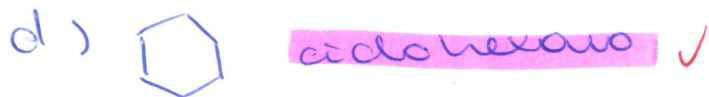
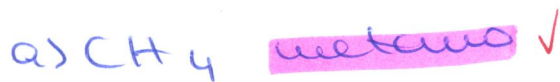
# EMILIO CUADENILLO

página 33

①



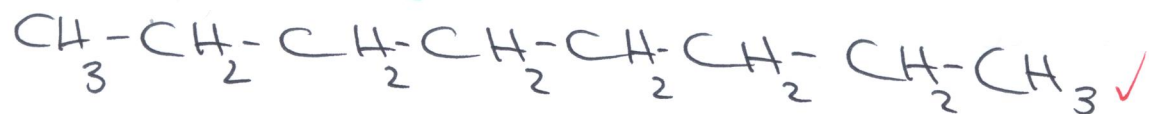
② nombre los siguientes compuestos.



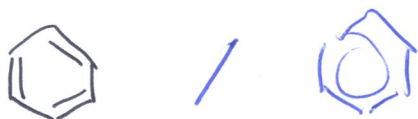
p. 34.

③ formula.

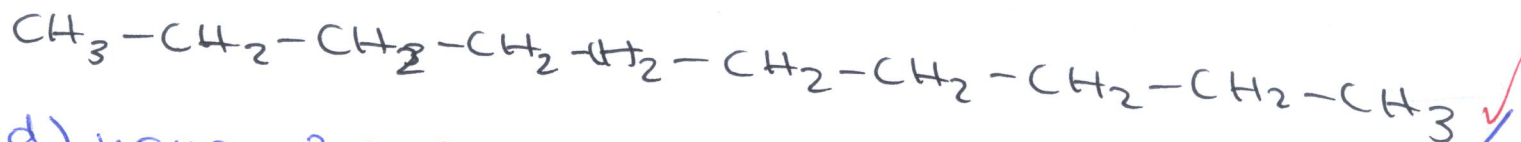
a) octano



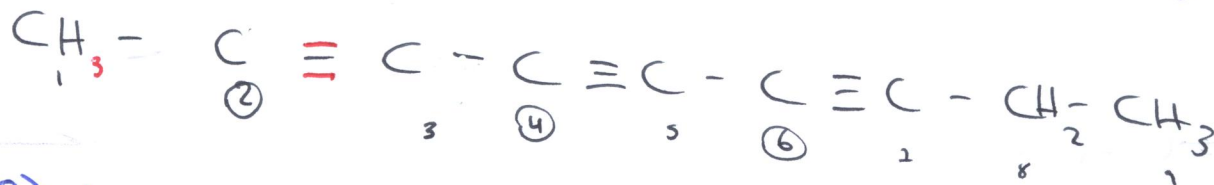
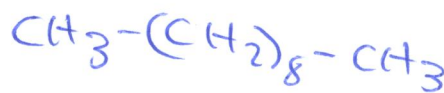
b) Benzene



c) decano



d) nona-2,4,6-trieno



e) but-2-ino



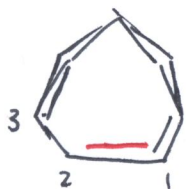
f) ciclohexa-1,3-dieno



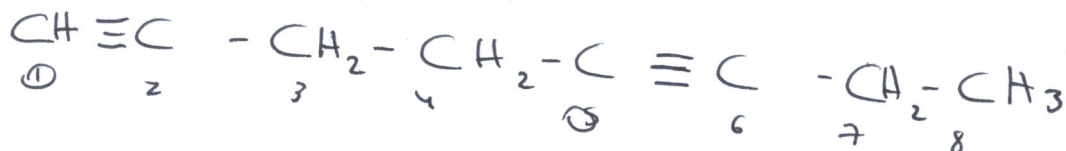
g) naftaleno



h) ciclohepta -1,3-dieno



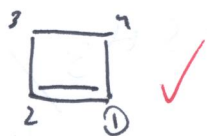
i) octa-1,5-dieno



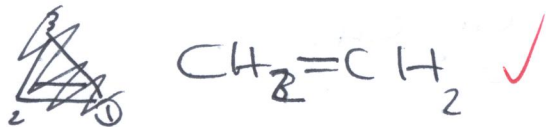
j) butano



k) ciclobuteno



l) eteno



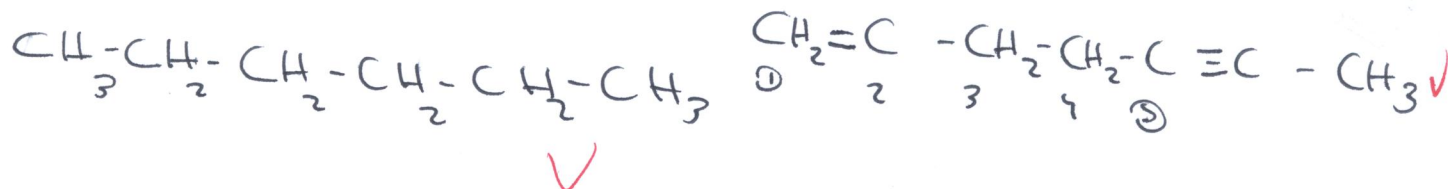
m) ciclo pnteno



n) propeno



o) hept-1-en-5-ino





④ Encuentra enones y coriños.



b) metano metano  $\text{CH}_4$  prop-1-eno ✓

c) ciclo etano no puede hacer un ciclo con etano ( $\text{CH}_3\text{-CH}_3$ ) ✓



d) benzeno  benzeno es así /  ✓

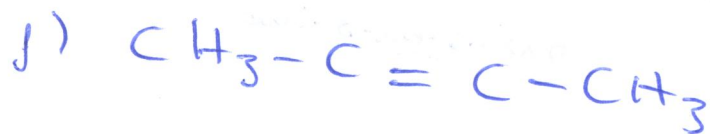
e)  $\text{CH}_3\text{-CH}_2\text{-CH=CH}_2$  ~~3-buteno~~  
3-buteno



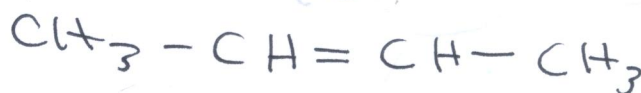
sería

~~1-buteno~~

but-1-eno



sería



g) 2,4-pentadieno



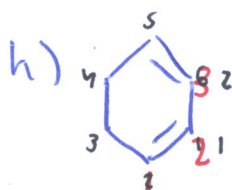
(orden)

sería

~~pent-2,4-dieno~~

pent-1,3-dieno

porque hay que poner los localizadores

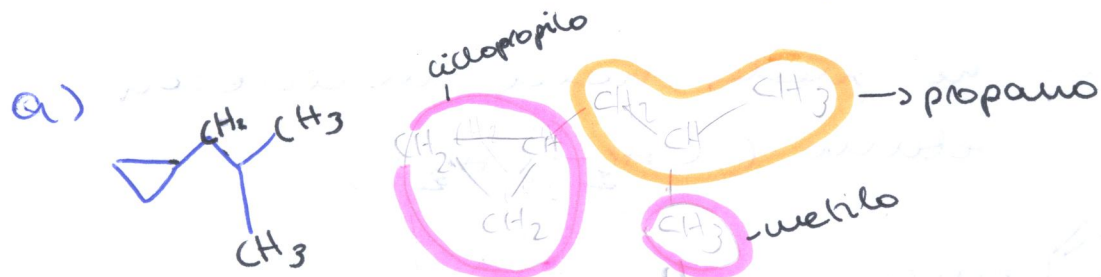


1,4-ciclohexadieno

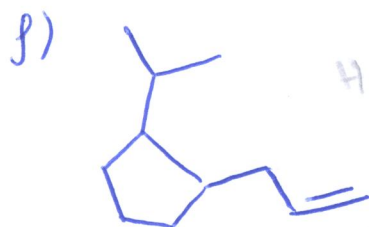
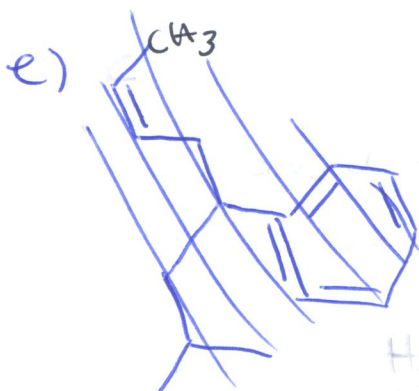
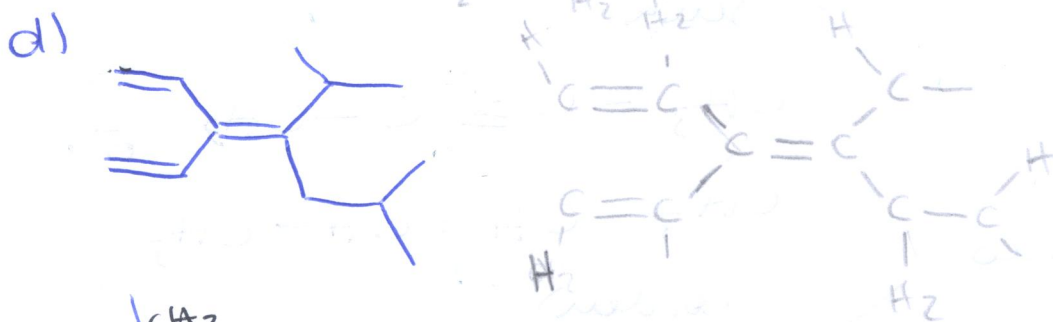
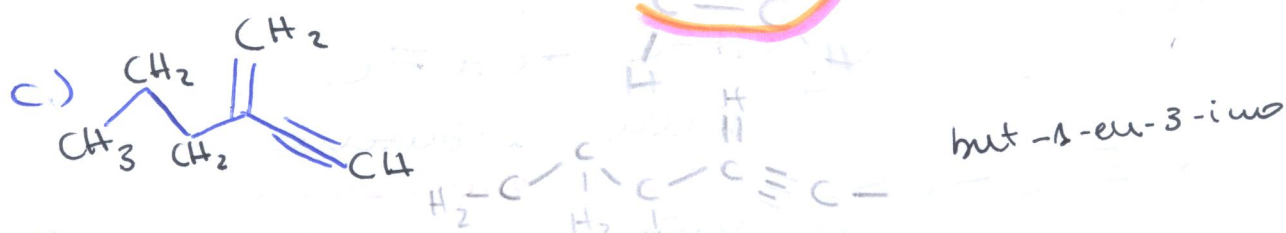
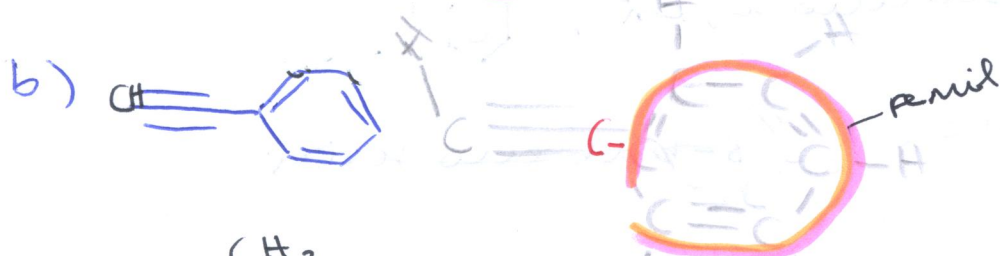
ciclohexa-1,3-dieno

(1,3)

5) nombra y numera cadena principal, escribe carbonos e hidrogenos que faltan e identifica los sustituyentes.



■ CAD. PRINCIPAL  
■ SUSTITUYENTES



⑥ nombre.

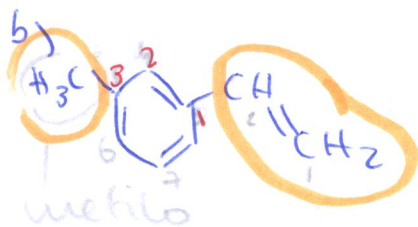


acido propano  
acido benceno

propil benceno

2. son 4  
no 3...

alobutilbenceno



• hepta-1,3,5,7-tetraeno

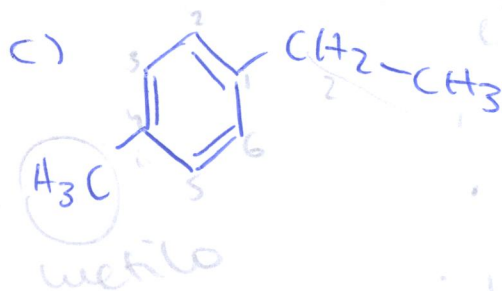
• 5-metil

5-metilhepta-1,3,5,7-tetraeno

u-etenil-metilbenceno

1,3-etenilmetilbenceno

1,3-metilvinilbenceno



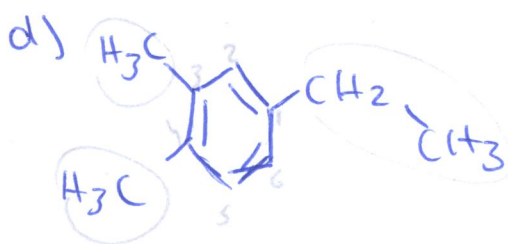
• hexa-1,3,5-trieno

• 1-etil-4-metil

1-etil-4-metilhexa-1,3,5-trieno  
benceno

1,4-etilmetilbenceno

p-etilmetilbenceno



• hexa-1,3,5-trieno

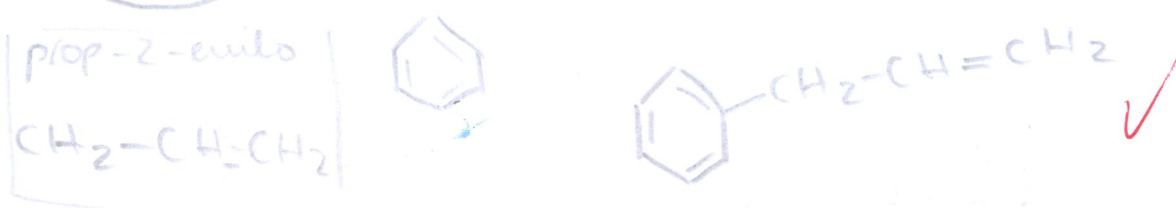
• 1-etil-3,4-dimetil

1-etil-3,4-dimetilhexa-1,3,5-trieno

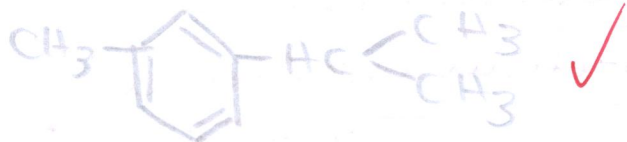
1-etil-3,4-dimetilbenceno

⑦ Formula los siguientes compuestos

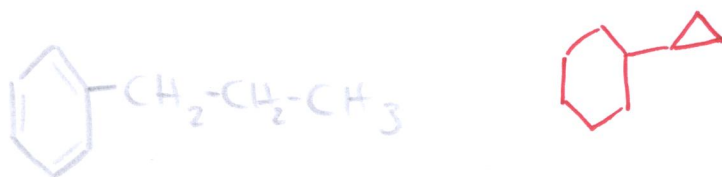
a) alilbenceno



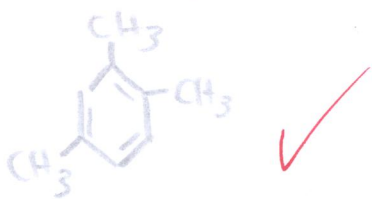
b) 1-isopropil-3-metilbenceno



c) ciclopropilbenceno

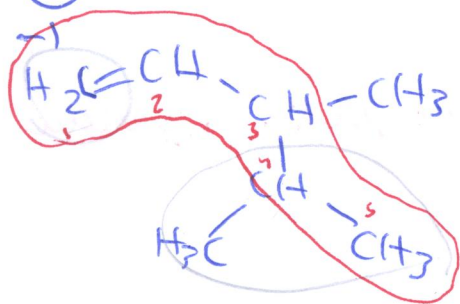


d) 1,2,4-trimetilbenceno

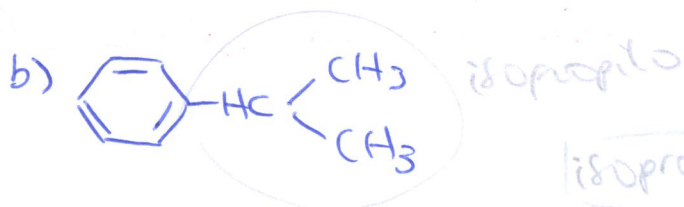




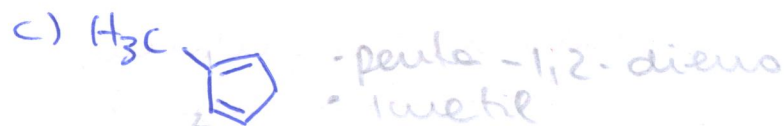
8) nombre



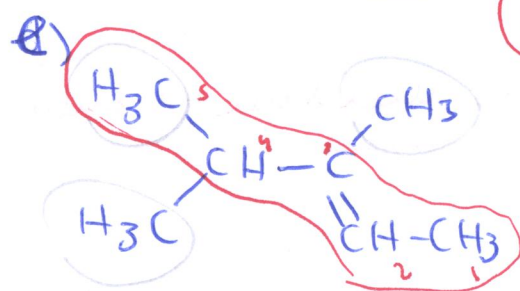
3,4-dimethylpent-1-ene



isopropilbenzene

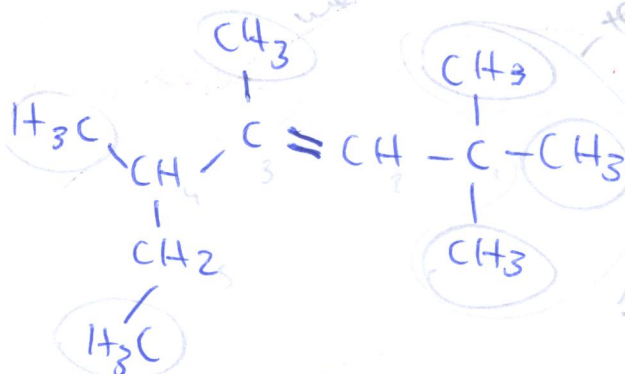
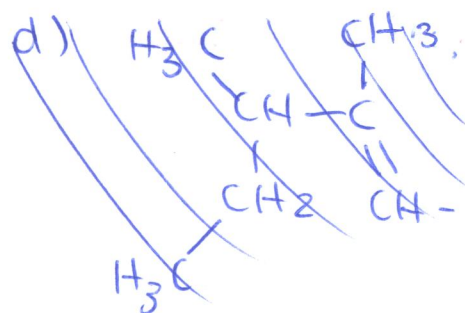


1-methylpenta-1,2-dieno



2-methylcyclopent-1,3-dieno

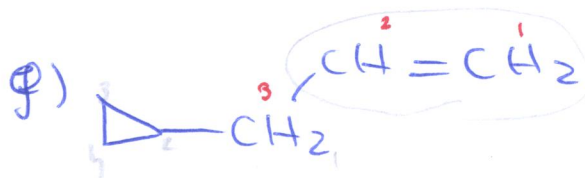
3,4-dimethylpent-2-ene



pent-2-eno

1-terc-butilo-3,4,5

3,4,5-metilo-1-terc-butid penta-2-eno



2,2,4,5-tetrametilhepta-3-eno

ciclopropano

3-ciclopropilprop-1-eno

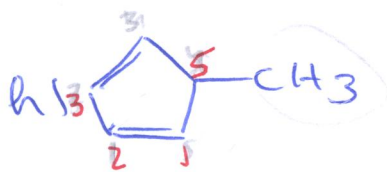
alil ciclo propano





cido neptau  
cido propano

ciclopil ciclobutano

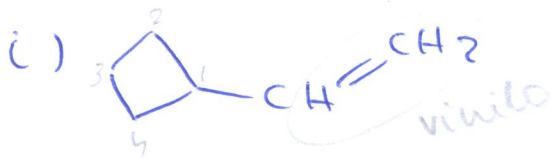


~~pent-1,2-dieno~~  
4-metil

ido pent-1,3-dieno

4-metil pent-1,2-dieno

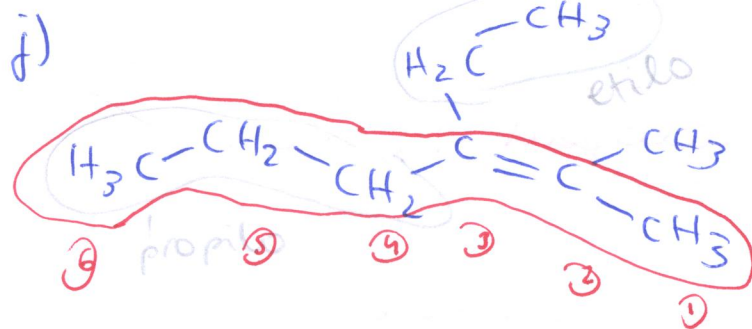
5-metil cido pent-1,3-dieno



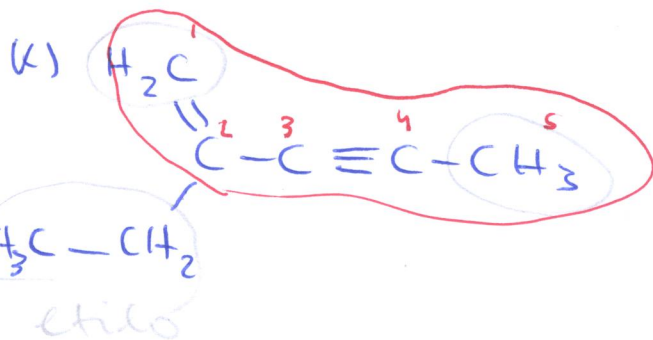
propano  
1-vinilo

1-vinilpropano

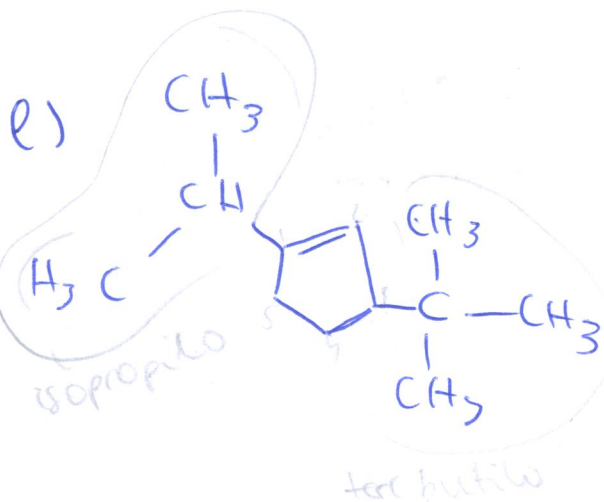
etenil ciclobutano,  
vinil ciclobutano



3-etil-2-metil hex-2-eno



2-etil pent-1-en-3-ino



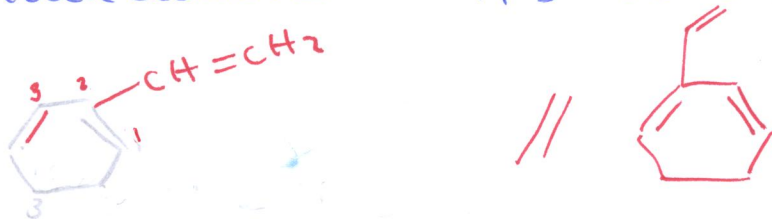
· pent-1-eno  
· 1-isopropilo-3-terbutilo

1-isopropilo-3-terbutil <sup>ciclopent-1-eno</sup>

3-terbutil-1-isopropil ciclopenteno

9) Formula los siguientes compuestos:

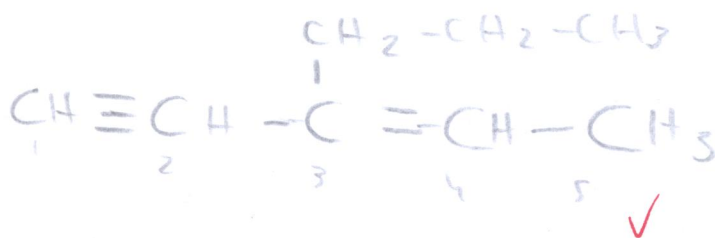
a) 2-vinilciclohexa-1,3-dieno



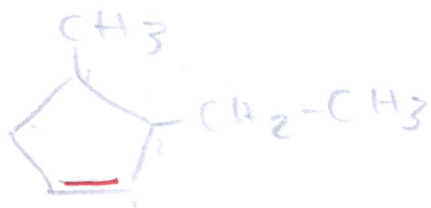
b) 3,4-dimetilciclopenteno



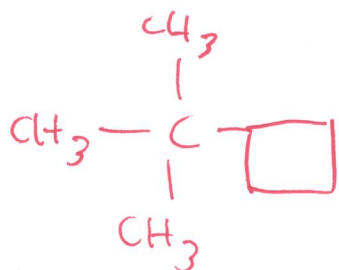
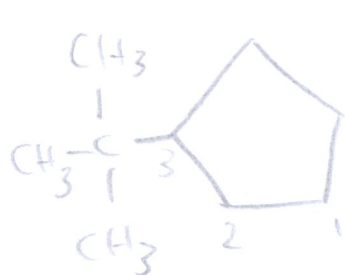
c) 3-propilpent-3-en-1-ino



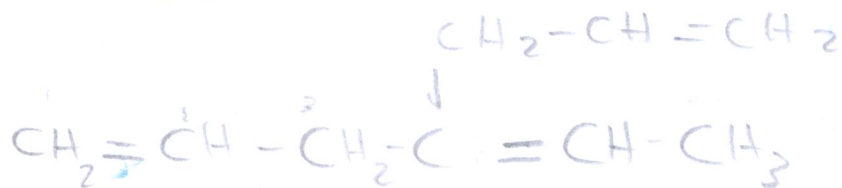
d) 2-etil-3 metilciclopenteno



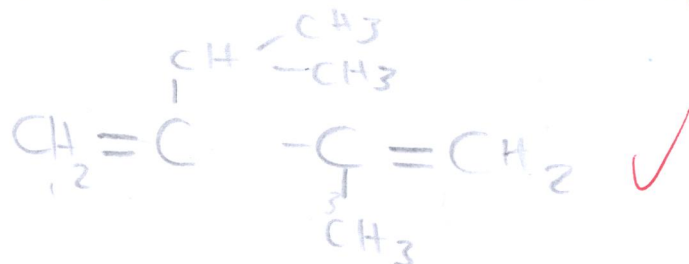
e) terc-butilciclobutano



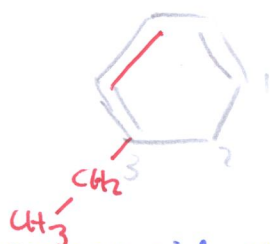
F) 4-allylhexa-1,4-dieno



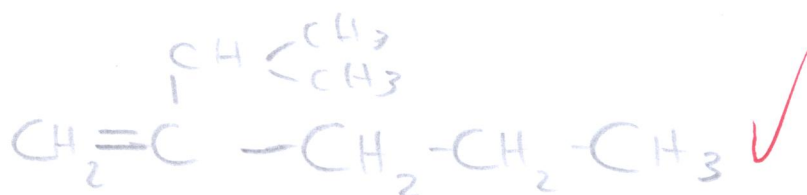
g) 2-isopropil-3-metilbuta-1,3-dieno



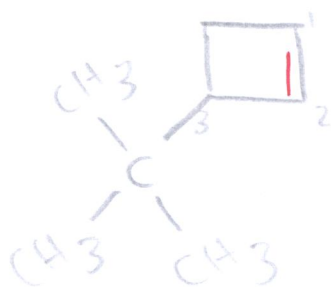
h) 5-etilciclohexa-1,3-dieno



i) 2-isopropilpent-1-eno



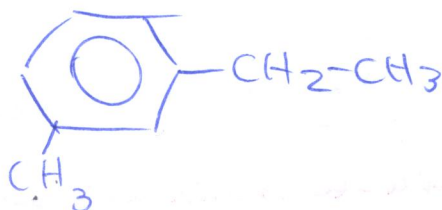
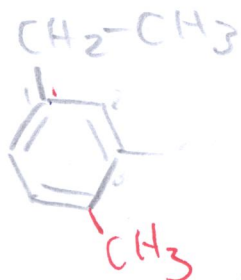
j) 3-terc-butilciclobuteno



k) metil propeno



l) 1-etil-3-metilbenceno



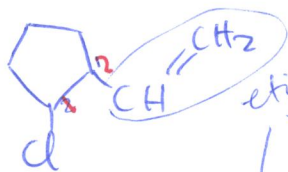
## DERIVADOS HALOGENADOS

II

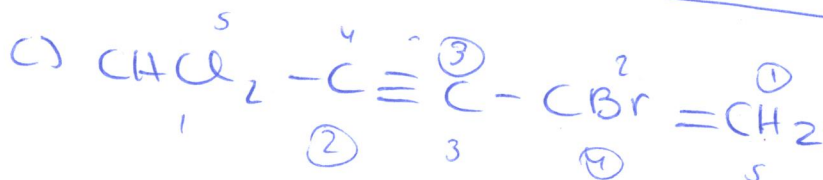


~~1-en~~ 2,3 - dibromopropeno ~~1-en~~

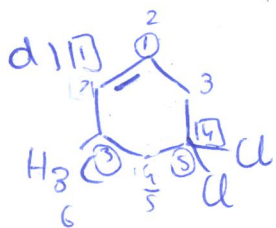
b)



1-cloro - 2 - vinilado pentano  
1-etilo - 2 - bromo ciclopenteno



2-bromo - 5,5-dicloro - pent - 1-eno - 3-ino

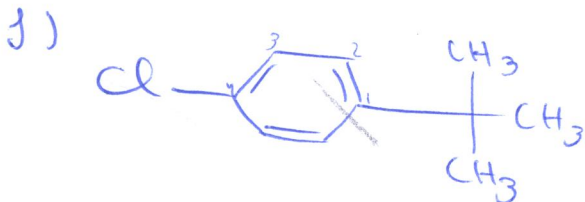


1,3,5  
1,4,6

5-dicloro-3-metil ciclopentano ~~pent-4-eno~~  
hexeno



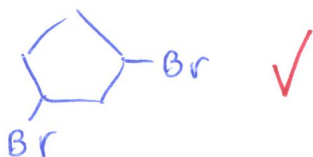
1,1-diiodo ciclopropano ~~butano~~



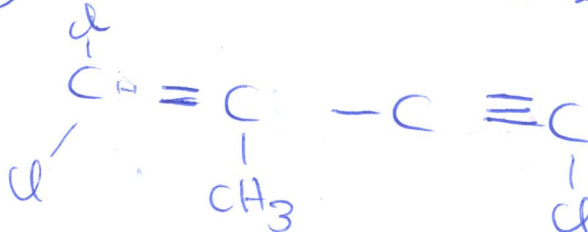
1-tercbutil-4-cloro benceno ✓

12) Formula para-tercbutil cloro benceno

a) 1,3-dibromociclopentano



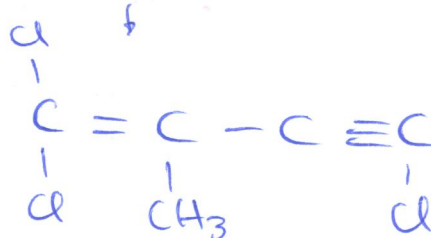
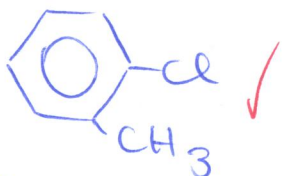
b) 1,1,4-tricloro-2-metilbut-1-en-3-ino



c) 2,3-dibromobut-2-eno



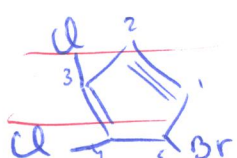
d) 1-cloro-2-metilbenceno



e) 1-iodopropino



f) 5-bromo-3,4-dicloropent-3-en-1-ino

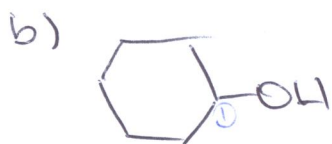




13) nombra los siguientes compuestos.



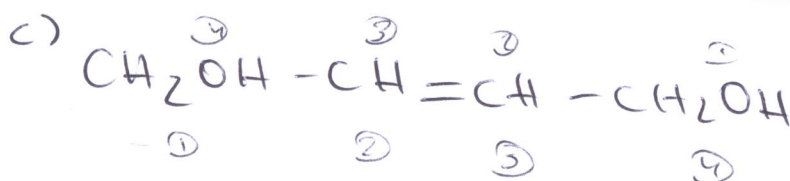
etano-1,2-diol ✓



no se pone por si  
solo hay 1 f. funcional  
se resume el número

ciclohexano-1-ol

ciclohexanol



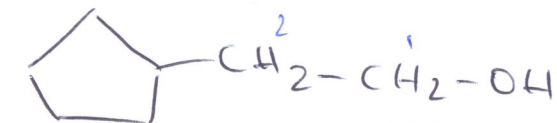
but-2-eno-1,4-diol ✓



propa-1,3-diol

propano

e)

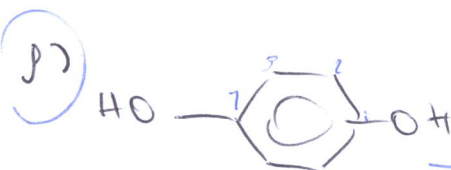


ciclopentano

et-1-ol

2-ciclopentano-et-1-ol

2-ciclopentil-etanol



~~fen-1,4-diol~~

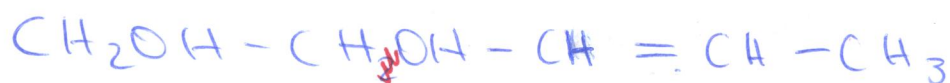
1,4-difenol ✓

14) Formula los siguientes compuestos.

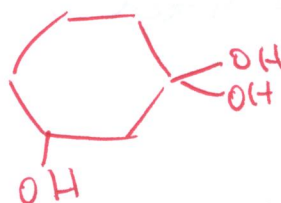
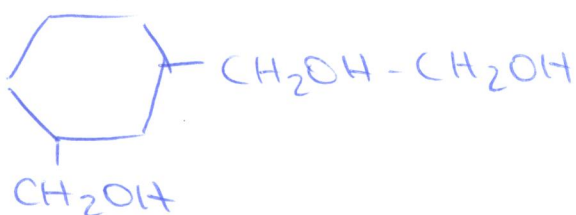
a) propano-1,2,3-triol / glicerol



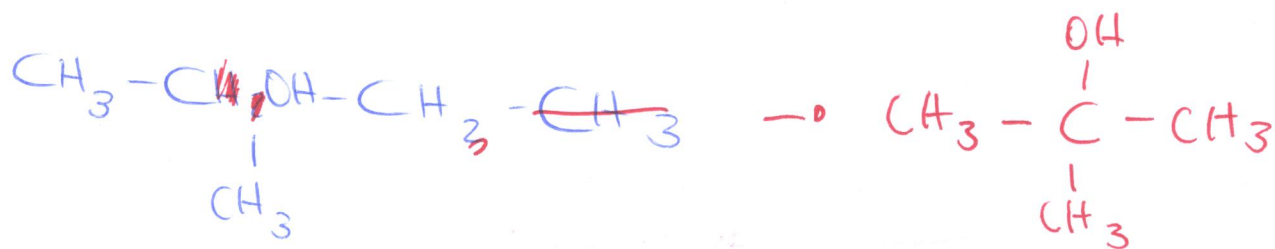
b) pent-3-eno-1,2-diol



c) ciclohexano-1,1,3-triol



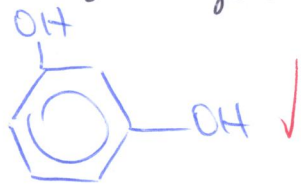
d) 2-metilpropan-2-ol



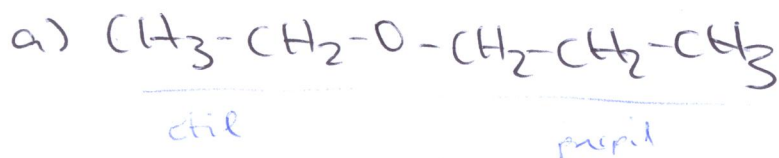
e) 4-metilfenol



f) 1,3-difenol



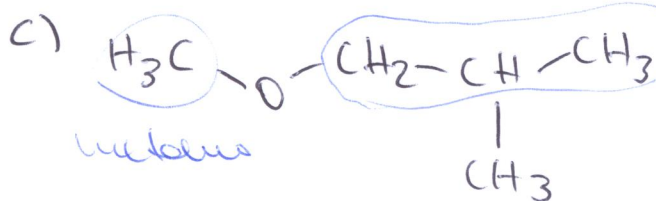
15



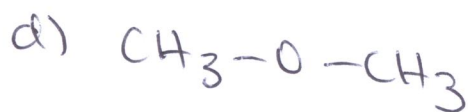
• etoxipropeno  
• etil propil eter



• metoxiciclopropano  
• ~~ciclopropil~~  
• ~~ciclopropil metil eter~~  
• metil ciclopropil eter

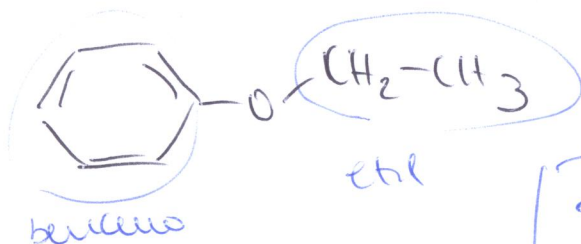


1-metoksi-2-  
• ~~3-metilpropoximetano~~  
• ~~3-metilpropilmetil eter~~  
isobutil metil eter

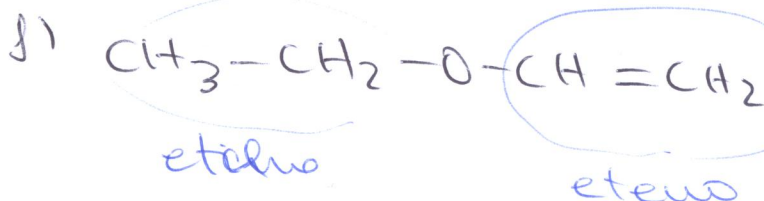


• metoximetano  
• dimetil eter

e)



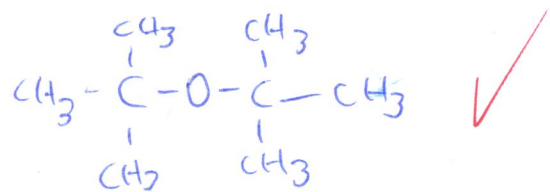
• etoxibenzeno  
• ~~etilbenzeno eter~~  
etilpenil eter



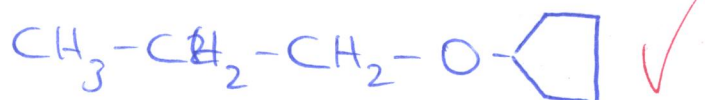
• etoxieteno  
• etiletenil eter

16)

a) dietil -butil éter



b) propoxi ciclopentano



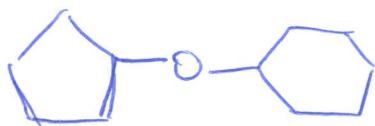
c) fenil vinil éter



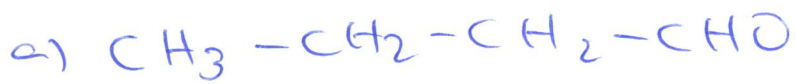
d) ~~1-etoxibutano~~



f) ciclo pento xiciclohexano



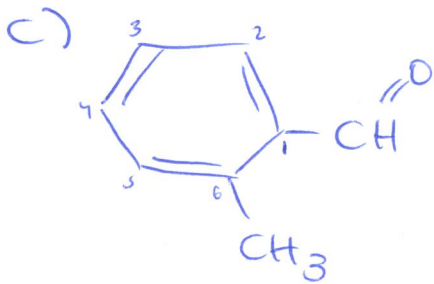
(17) nombre.



butanal ✓



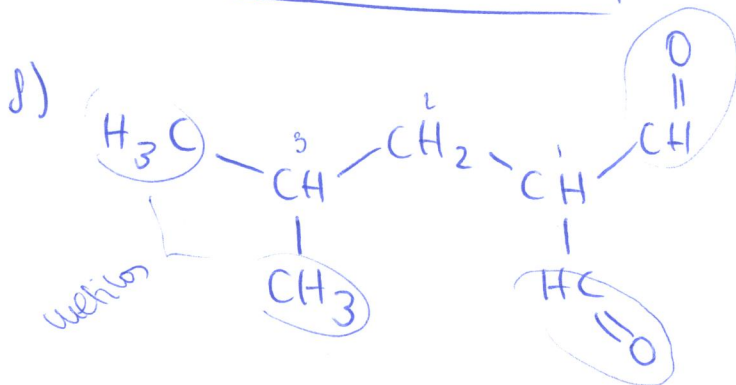
hex-2,4-dienal



~~2-metil-benzaldehído~~  
2-metil-benzaldehído



~~metanal~~  
pent



~~3-dimetil-4-dial~~

3-dimetilprop-4-dial

2-isobutilpropenal

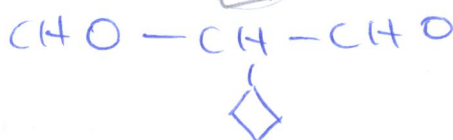


18

a) etanol (acetaldehidu)



b) acetalbutil propional



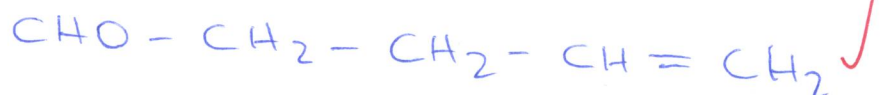
c) fenil etanol



d) butanedial



e) pent-4-enal



f) 4-etil benzaldehyd



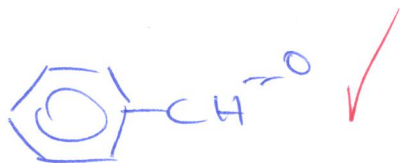
3) but-2-enal



4) 2-metilpent-3-enal



5) benzaldehido



6) 2-cloropentanal



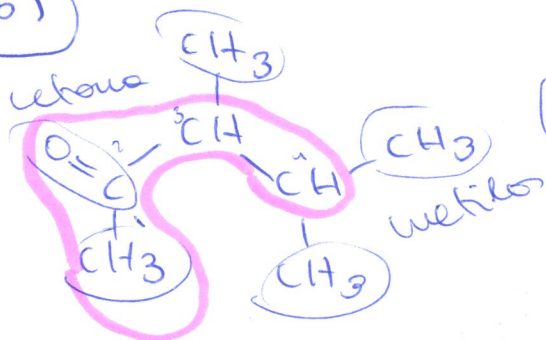
19) nombre



butanone

but-3-en-2-one

b)



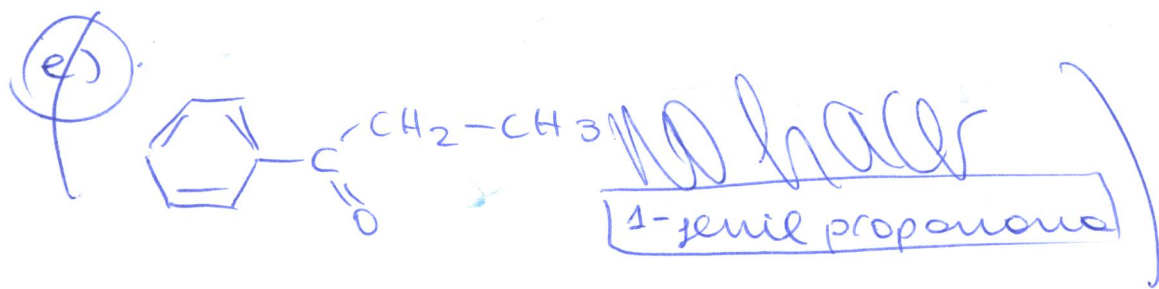
1,3,4,4-tetrametilbutano

3,4-dimetilpentan-2-one

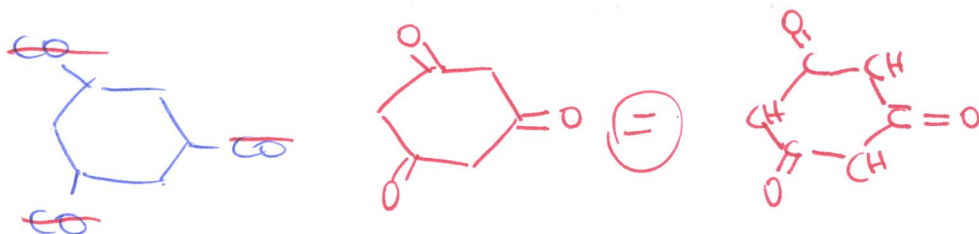
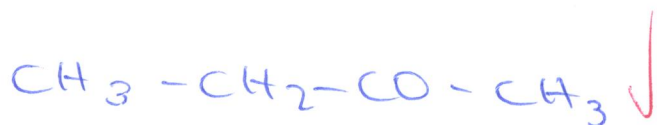
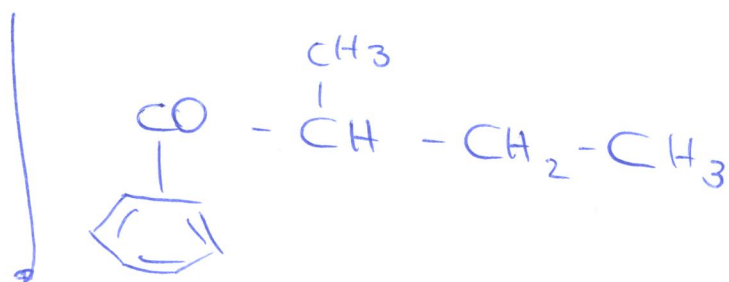
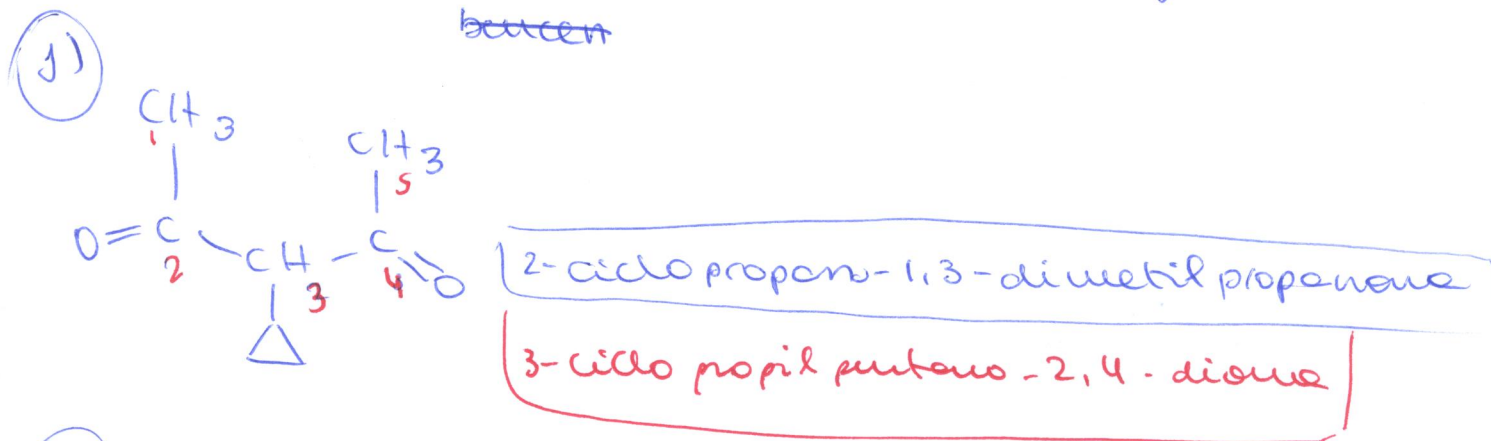


ciclopentadione

ciclopentano-1,3-dione



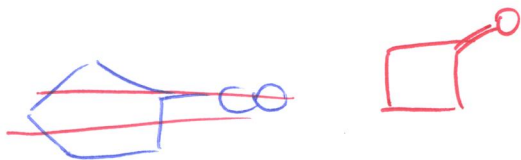
buten



d) pentano-2,4-dione



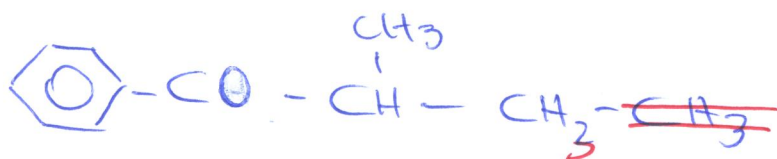
e) ciclobutanone



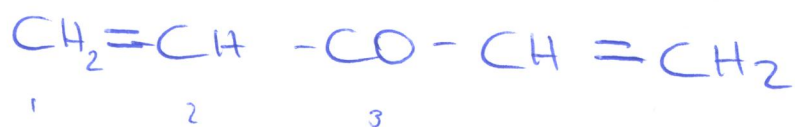
f) 1-phenil propen-2-one



g) 1-phenil-2-metil propen-1-one



h) penta-1,4-dien-3-one



## ACIDOS CARBOXÍlicos

(21)



ácido etanodisico



ácido prop-3-ênico



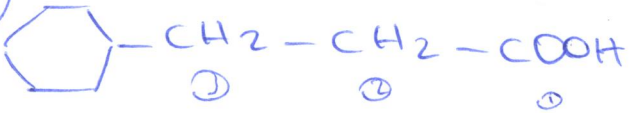
3

is

6

ácido hex-2-en-4-inoico ✓

d)



ácido 3-ciclopent~~enil~~propanoico ✓



ácido ~~propanoico~~ butanoico ✓

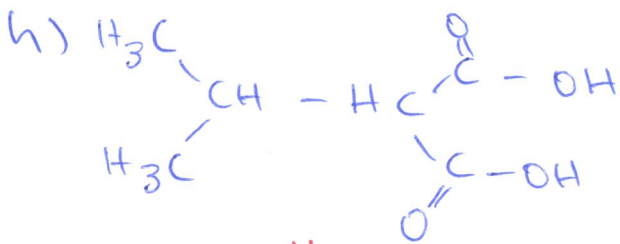


ácido pentanoico ✓



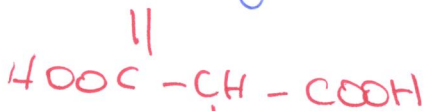
Acido etanoico

✓ / acético

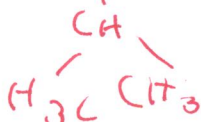


ácido  
22-dimetil etanodiolico

20 роков?



acido  
cso propil propano disico

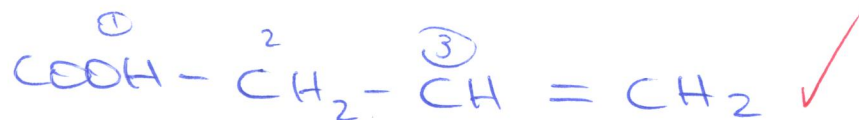




22) a) ácido fórmico (= metanoico)



b) ácido but-3-enoico

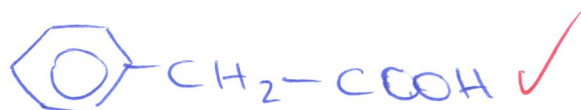


c) ácido ciclobutiletanoico



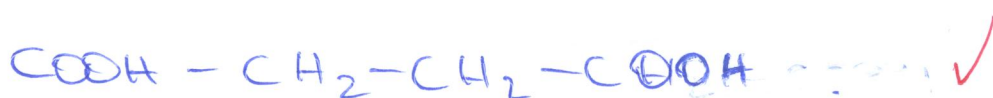
¿Donde se  
empieza a contar  
carbonos?

d) ácido feniletanoico



- ácido (carbono y uno)  
- ~~car~~ después del ciclo

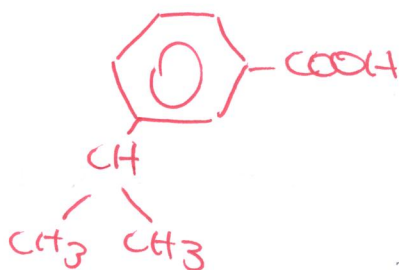
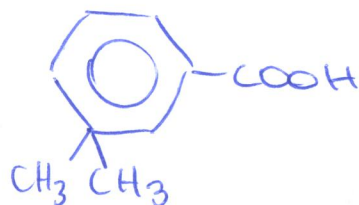
e) ácido butenedioico



f) ácido but-2-enoico

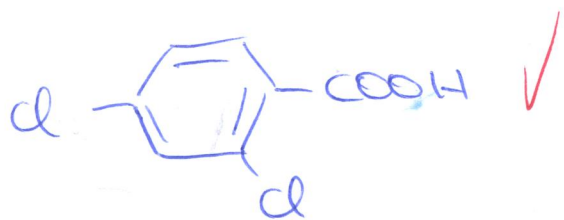


g) ácido 3-isopropilbenzoico

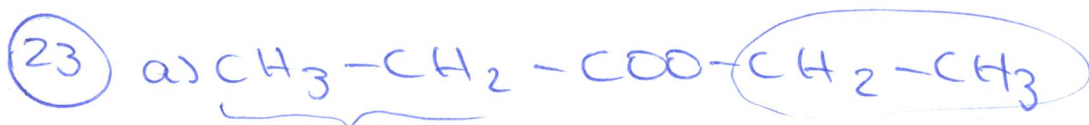


h)

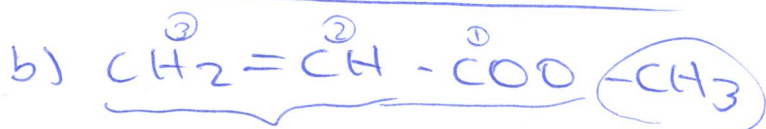
ácido 2,4-diclorobenzoico



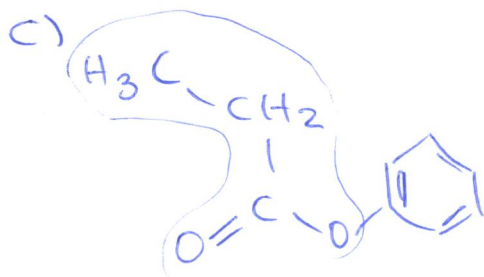
## ESTERES



propanoato de etilo ✓



2-en-propanoato de metilo ✓



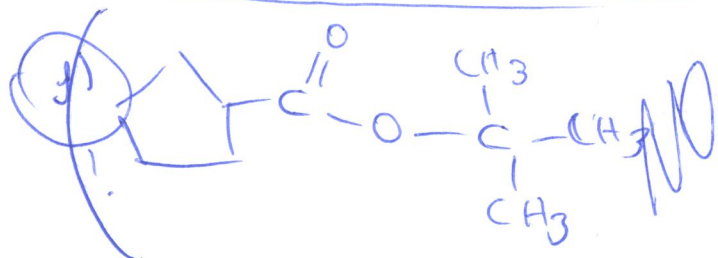
propanoato de fenilo ✓



butanoato de metilo ✓



metanoato de etilo ✓



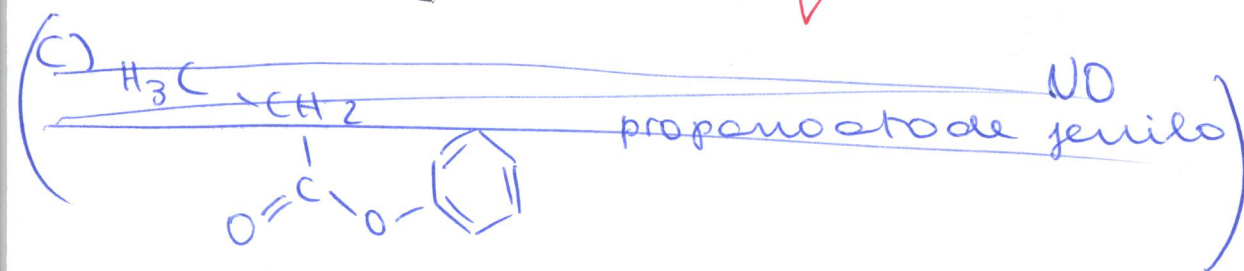
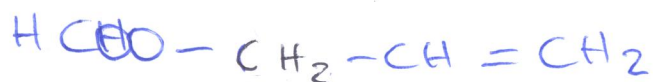
ciclopentanato de ter-butilo  
ciclopropanil metanoato de ter-butilo

(24) fórmula.

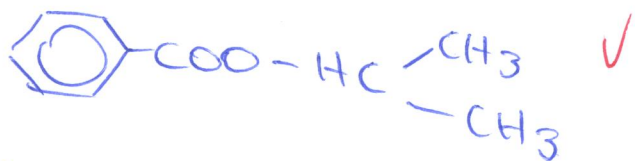
a) etanoato de metilo



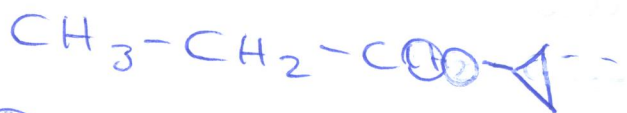
b) metanoato de alilo



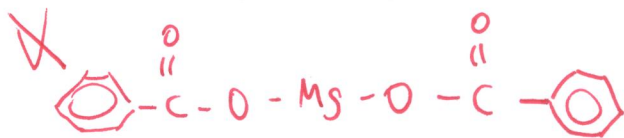
(c) benzoato de iso propilo



d) propenoato de ciclopropilo



(e) benzoato de magnesio



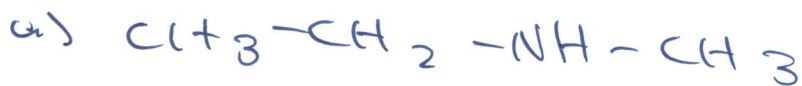
f) butanoato de cobre(I)



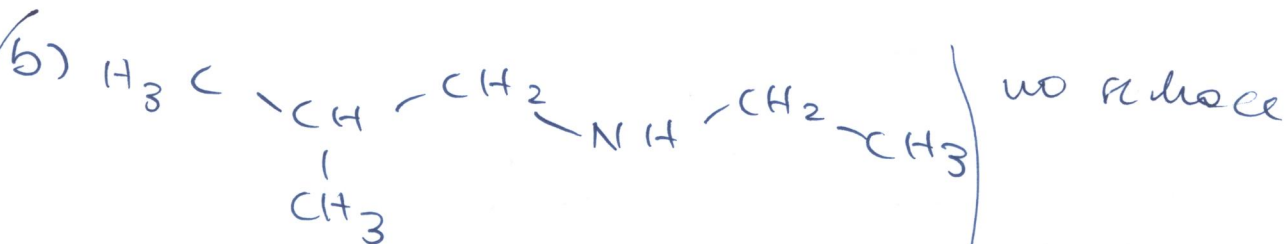
# Compuestos nitrogenados

## AMINAS

25) nombre



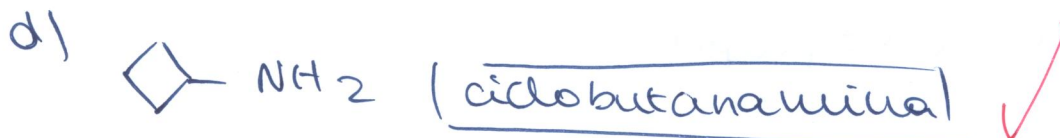
N-etil metilamina ✓



N-etil prop-2-metilamina



fenilamina ✓



26) Fórmula

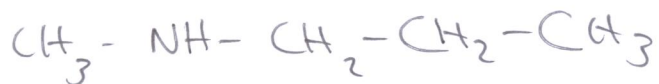
a) ciclohexanamina



b) N-etiletanamina



c) N-etilpropan-1-amine



d) N,N-dietanamina



127) urea



butanamida ✓

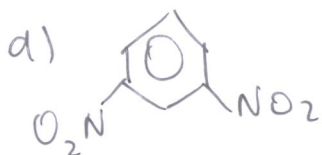


propanonitrilo ✓

ácido de etilo ✓



N-etilpropanamida ✓



1,3-dinitrobenzeno  
nitro-pirola ✓



(28) Formula.

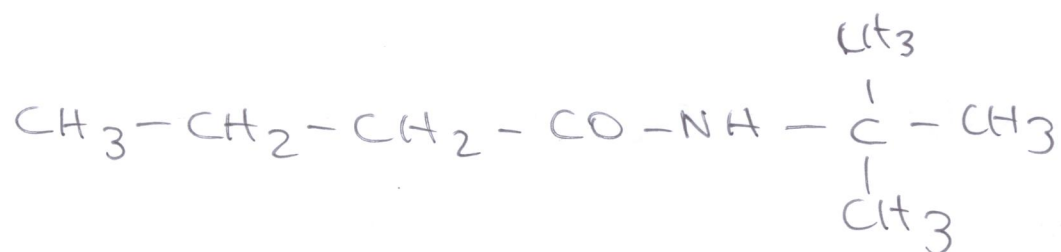
⊖ Propanamide



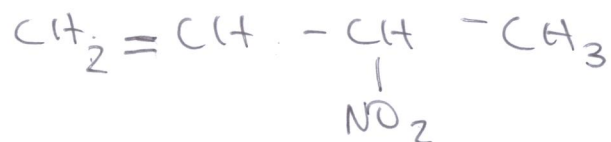
⊖ butanenitrile



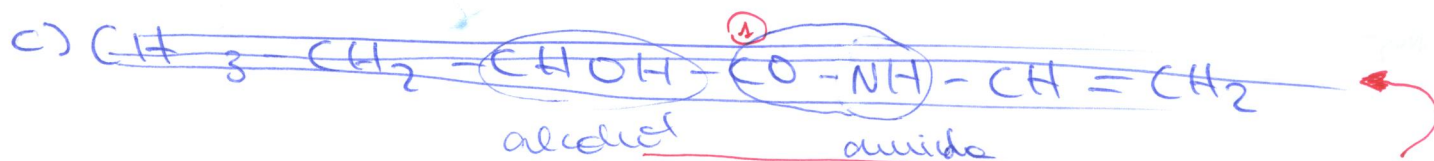
⊖ N-tert-butyl butanamide



⊖ 3-nitrobut-1-ene



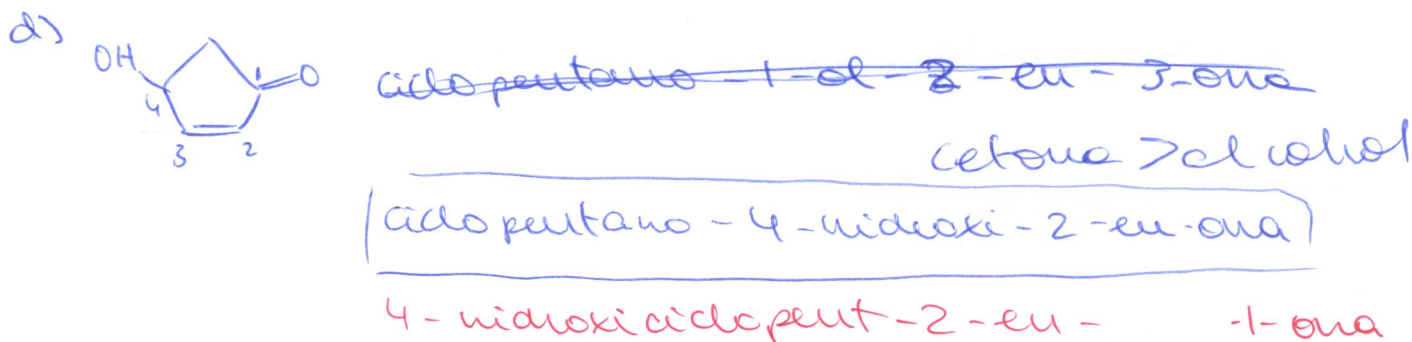
29



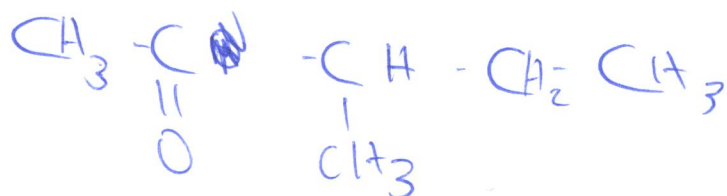
N-vinil-2-hidroxi butanamida



N-vinil butanamida ✓

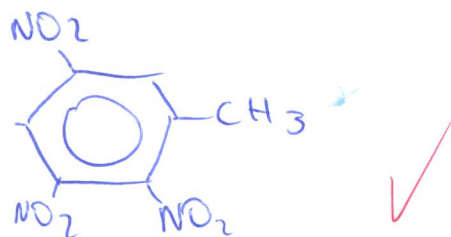


3-metil pentan-2 ona

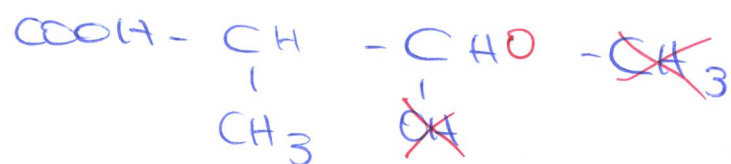


80) Formula .

a) 1-metil-2,4,6-trinitrobenzeno



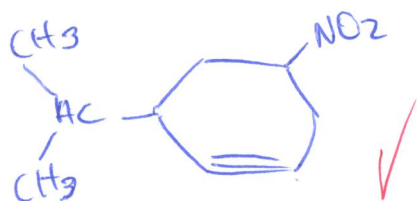
b) acido 2-metil-3-oxopropenoico



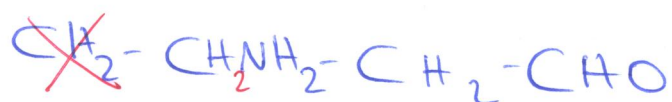
c) metoximetanamina



d) 5-nitro-3-isopropilbiclohexeno



e) 3-amino propanal

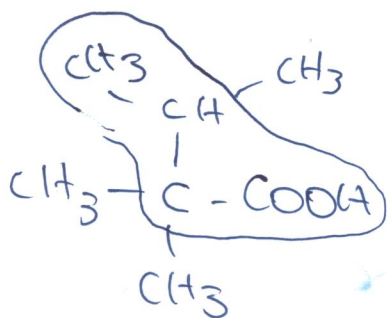


f) 4-nitrobutan-2-ol



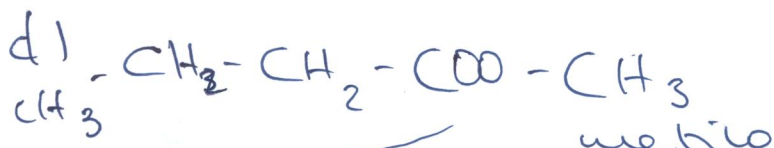
(34)

b)



la cadena principal tiene  
4 C, no 3

ácido 2-isopropil-2-metilbutanoico

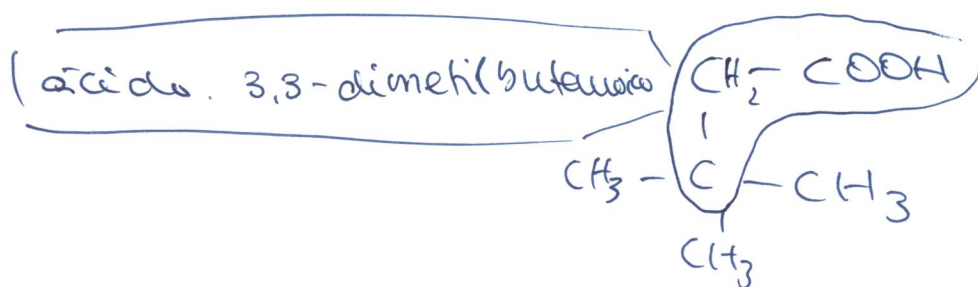


butanoato

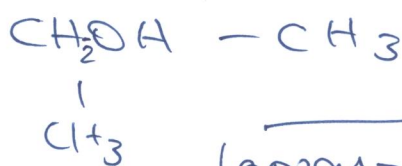
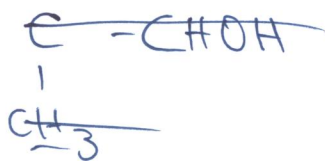
metilo

butanoato de metilo

a) ácido 2-terc-butilestanoico



f) 1-metiletan-1-ol



propan-1-ol

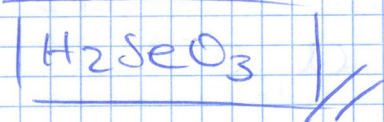


# EJERCICIOS FORMULACIÓN SEMANA BLANCA

• Fluoruro de cadmio



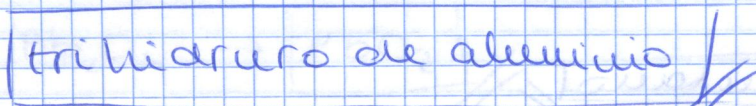
• Ácido selenioso



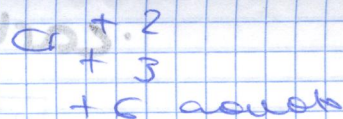
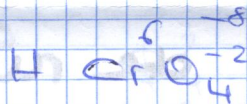
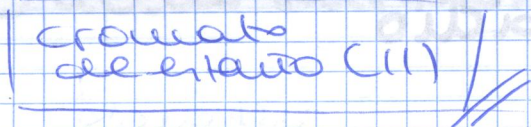
• Etanamida



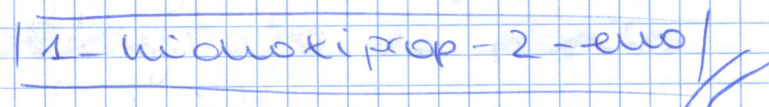
•  $\text{AlH}_3$



•  $\text{Sn CrO}_4$



•  $\text{CH}_2=\text{CHCH}_2\text{EH}$



• Trisulfuro de carbono

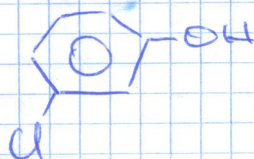




• hidróxido de oro (III)

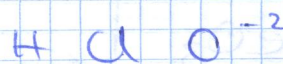


• 3-cloro fenol



•  $\text{Sr}(\text{ClO})_2$

hipoclorito de estroncio //



•  $\text{BeH}_2$

hidruro de berilio //

•  $\text{CH}_2\text{Br}_2$

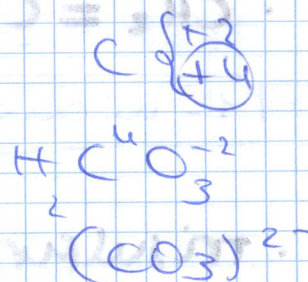
dibromometano //

• carbonato de rubidio



carbonato  
(ácido carbónico)

• sulfuro de cobre (II)



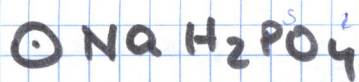
• penta-1,3-dieno



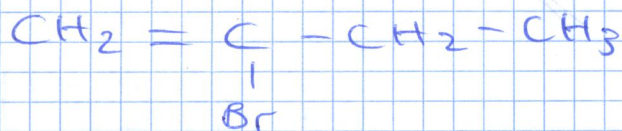
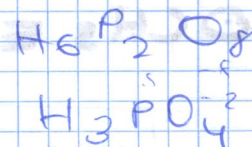
•  $\text{Sb}_2\text{O}_3$

tróxido de antimonio //





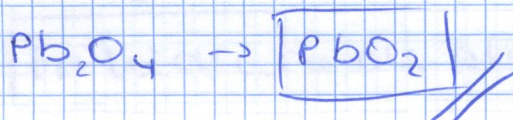
ácido fosfórico de sódio



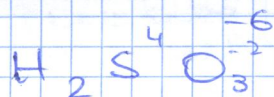
2-bromo but-1-eno

2-bromobuteno

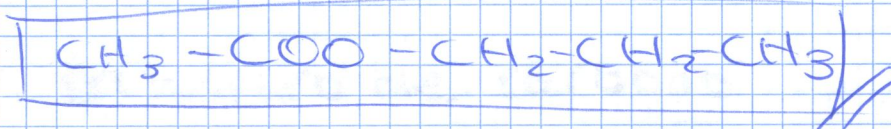
⊙ Óxido de plomo (IV)



⊙ ácido sulfuroso



⊙ éster de propilo



tribromo de molibdomo.





trihidróxido de bismuto



but-1,3-dieno