

SEMINARIO

NOMENCLATURA QUÍMICA ORGÁNICA

1. Formula los siguientes hidrocarburos:

- 1.1) Etilciclopentano
- 1.2) 1,2-Dietilciclobutano
- 1.3) 2-Metilhexano
- 1.4) 5-Etil-2,6-dimetilocta-2,4-dieno
- 1.5) 5-Metilhept-3-eno
- 1.6) Buta-1,3-dieno
- 1.7) 3-Metilpent-1-eno
- 1.8) 3-Propil-4,5-dietiloct-2-eno
- 1.9) Pent-1-en-3-ino
- 1.10) Oct-3-en-1,7-diino
- 1.11) 5-(1,2-dimetilpropil)-4-etil-3-metilnonano
- 1.12) Metilciclopropano
- 1.13) Eteno (vinilo)
- 1.14) 2,2-Dimetilhex-3-eno
- 1.15) 6-Metil-6-pentilnona-2,4,7-trieno
- 1.16) Hexa-1,3,5-trieno
- 1.17) Etino (acetileno)
- 1.18) 1-Metilciclobuteno
- 1.19) 4-Etil-3,3-dimetilhex-1-ino
- 1.20) Butadiino
- 1.21) 3,4-Dimetilpent-1-ino
- 1.22) Deca-5,7-dien-2-ino
- 1.23) 3-Butilhex-3-en-1,5-diino
- 1.24) Dec-2-en-4,6-diino
- 1.25) Metilbenceno
- 1.26) Nitrobenceno

- 1.27) *o*-Etilpropilbenceno
- 1.28) *p*-Dimetilbenceno
- 1.29) 2,4-Dimetil-1-propilbenceno
- 1.30) *m*-Etilvinilbenceno

2. Formula los siguientes compuestos orgánicos monofuncionales:

- 2.1) Bromoetano
- 2.2) 2,2-Dicloropropano
- 2.3) *m*-Dibromobenceno
- 2.4) 2-Bromo-1-cloro-1-fluoretano
- 2.5) Metilpropan-1-ol
- 2.6) Hex-4-en-1-in-3-ol
- 2.7) Ciclobutanol
- 2.8) Propano-1,3-diol
- 2.9) *m*-Metilfenol
- 2.10) Pent-4-en-1,2,3-triol
- 2.11) Metil propil eter
- 2.12) Etoxibutano
- 2.13) Difenileter
- 2.14) Ciclopentiloxibenceno
- 2.15) 2,2,5,5-Tetrametilheptan-4-ona
- 2.16) Hexa-1,5-dien-5-in-3-ona
- 2.17) But-3-en-2-ona
- 2.18) Pent-3-in-2-ona
- 2.19) Oct-3-en-6-inal
- 2.20) Propanodial
- 2.21) 2,3,5,5-Tetrametildecanal
- 2.22) 2,3,4-Trimetilpentanal
- 2.23) Ácido etanoico (Ácido acético)
- 2.24) Ácido bencenocarboxílico (Ácido benzoico)
- 2.25) Ácido-2-metilpent-3-enoico

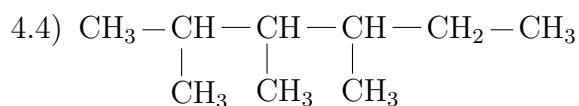
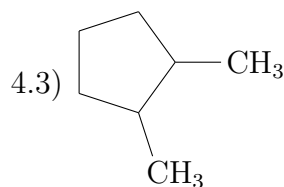
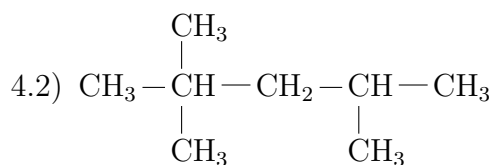
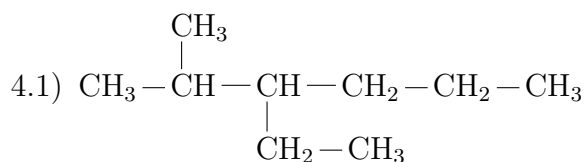
- 2.26) Ácido hept-2-en-5-inoico
- 2.27) Ácido octa-2,5-diinodioico
- 2.28) 2-Metilbutanoato de metilo
- 2.29) Propanoato de ispropilo
- 2.30) Acetato de metilo
- 2.31) Propilamina
- 2.32) *N*-Metilpropilamina
- 2.33) *N*-Isopropilmetilamina
- 2.34) *N*-Etil-*N*-metilpropilamina
- 2.35) Difenilamina
- 2.36) *N,N*-Dimetiletilamina
- 2.37) Butanamida
- 2.38) *N,N*-Dimetilacetamida
- 2.39) Benzamida
- 2.40) 2,3-Dimetilheptanamida
- 2.41) Propanonitrilo
- 2.42) 2-Etil-butanodinitrilo
- 2.43) Pent-4-en-2-inonitrilo
- 2.44) Propenonitrilo
- 2.45) 1,3-Dinitrobutano
- 2.46) Nitrobenceno
- 2.47) 1,3,5-Trinitrotolueno
- 2.48) Ácido-2-ciclopropilbutanoico
- 2.49) Ácido but-2-enoico
- 2.50) 2-Yodobutanoamida

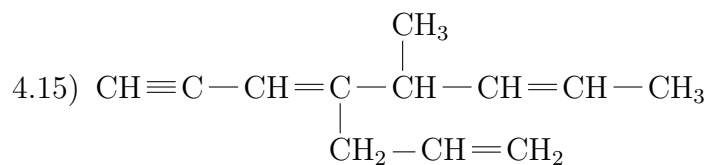
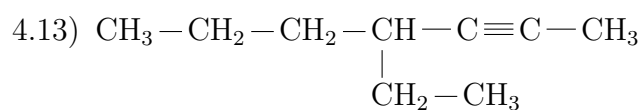
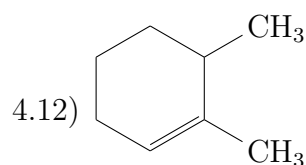
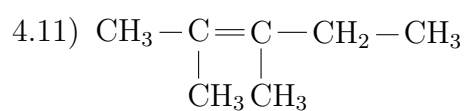
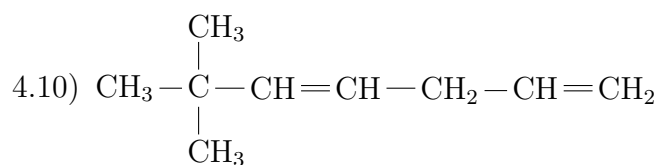
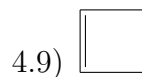
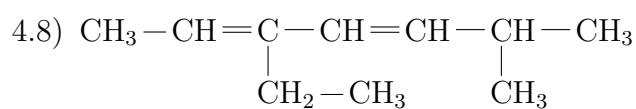
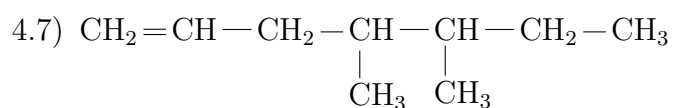
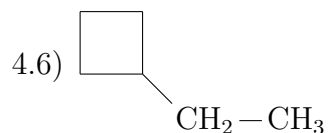
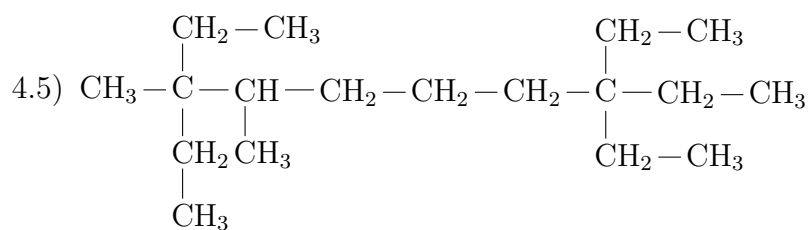
3. Formula los siguientes compuesto orgánicos polifuncionales:

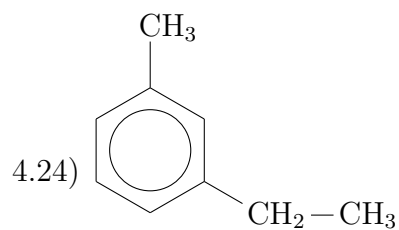
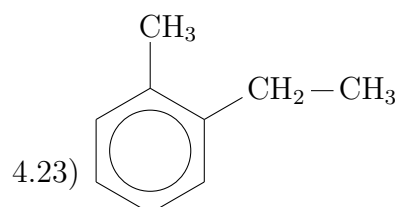
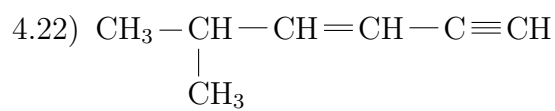
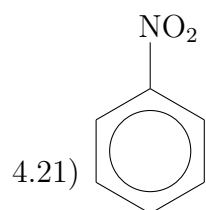
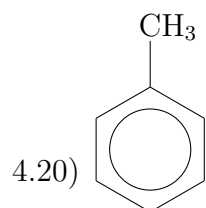
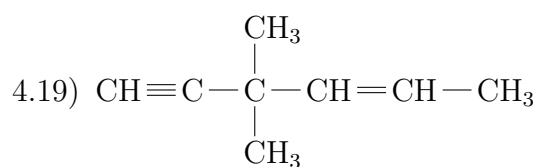
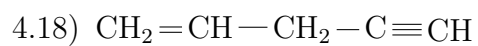
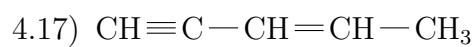
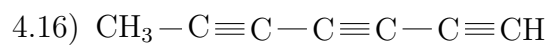
- 3.1) Ácido-2-hidroxibutanoico
- 3.2) Ácido-2-aminobutanoico
- 3.3) 2-Aminopropan-1-ol
- 3.4) 2,3-Diclorofenol

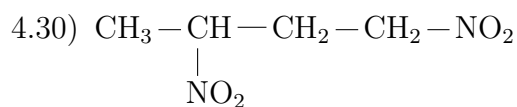
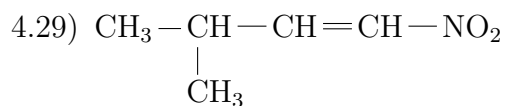
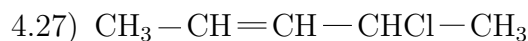
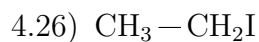
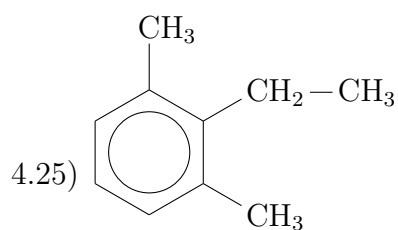
- 3.5) 2,6-Dioxoheptanal
 3.6) Ácido-3-oxobutanoico
 3.7) 7-Clorohept-2-enodial
 3.8) 2,4-Dinitrohexan-3-ona
 3.9) But-3-in-1-ol
 3.10) Ácido-3-oxopentanodial
 3.11) 2,4,6-Trinitro-1-metilbenceno
 3.12) 6-Hidroxi-5-metilhexan-2-ona
 3.13) Pent-3-in-2-ona
 3.14) Ácido-3-hidroxipentanodioico
 3.15) 2-Hidroxibutanal
 3.16) Ácido-2-oxobutanoico
 3.17) Etoxibenceno
 3.18) Ácido-2-cianopent-3-enoico
 3.19) 3-Hidroxi-3-metilpent-4-enal
 3.20) Ácido-3-carboxihexanodioico

4. Nombra los siguientes hidrocarburos:

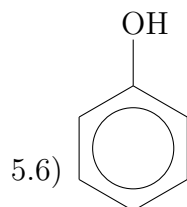
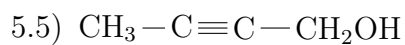
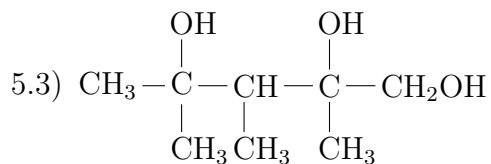
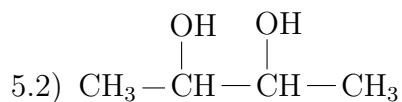


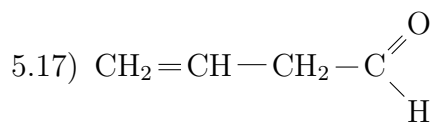
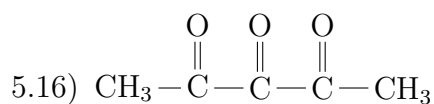
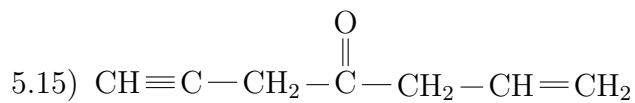
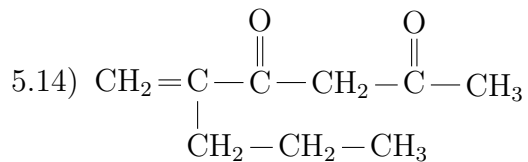
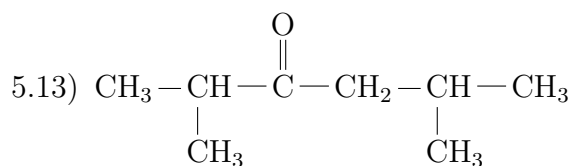
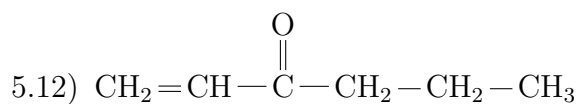
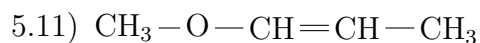
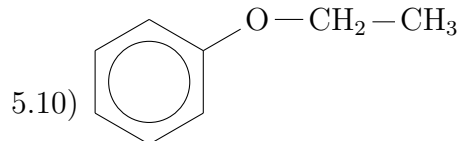
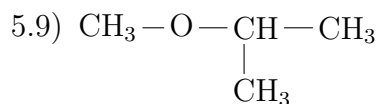
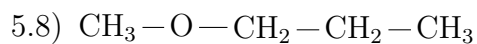
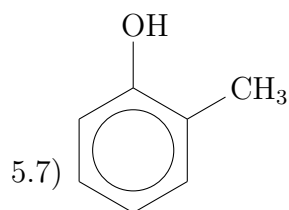


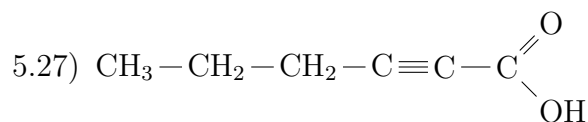
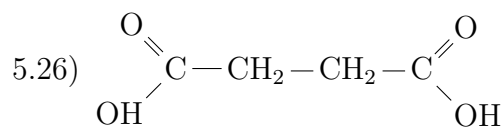
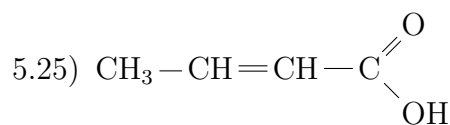
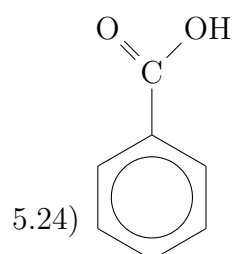
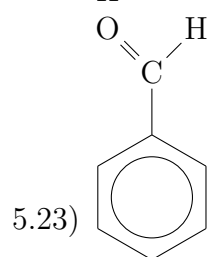
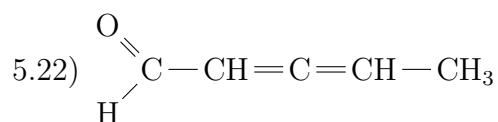
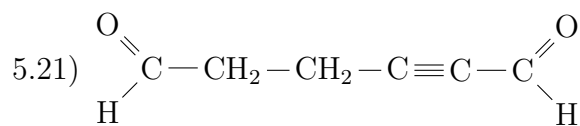
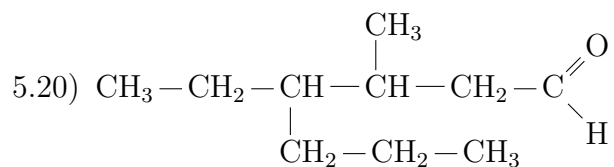
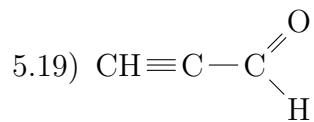
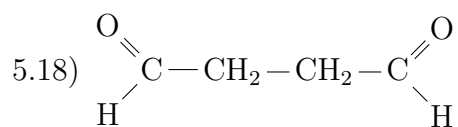


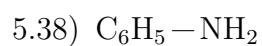
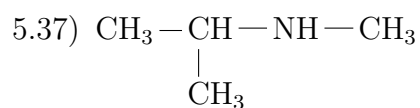
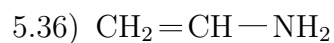
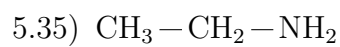
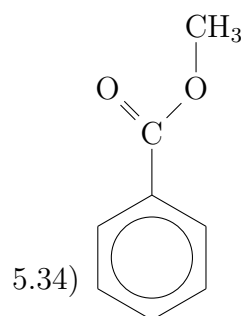
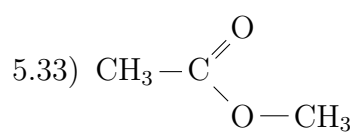
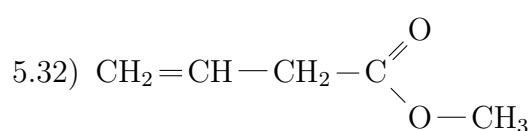
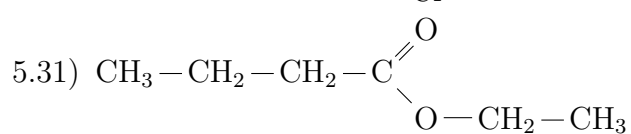
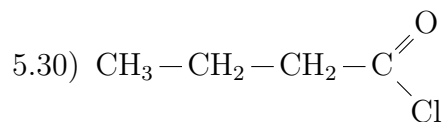
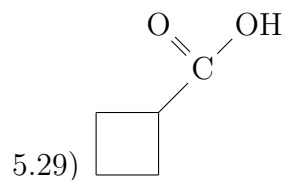
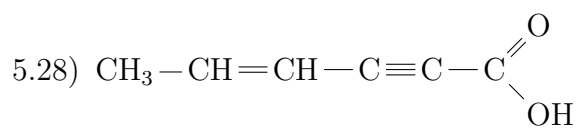


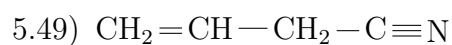
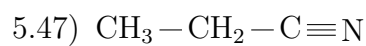
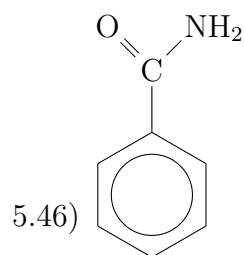
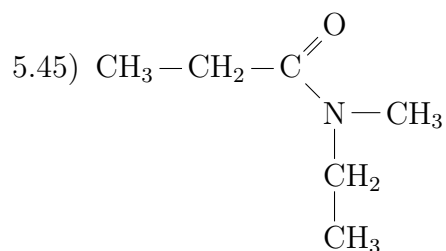
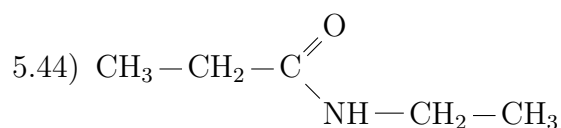
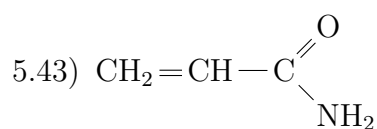
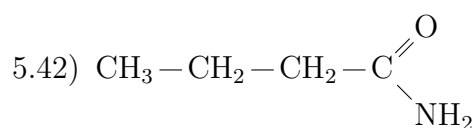
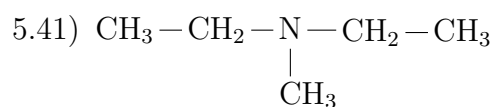
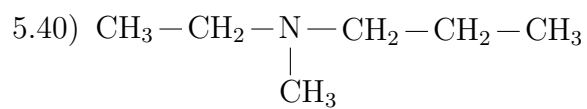
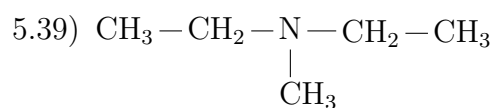
5. Nombra los siguientes compuestos orgánicos monofuncionales:

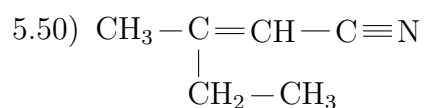












6. Nombra los siguientes compuesto orgánicos polifuncionales:

