


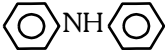




**EJERCICIOS DE FORMULACIÓN ORGÁNICA. PLANTILLA DE CORRECCIÓN.**

1. Formular o nombrar, según corresponda, los siguientes compuestos.

|  |  |                       |  |
|--|--|-----------------------|--|
| <b>a)</b> Propano  | $\text{CH}_3 \text{CH}_2 \text{CH}_3$  |                       |  |
| Octano   | $\text{CH}_3 (\text{CH}_2)_6 \text{CH}_3$  |                       |  |
| 3-metilhexano  | $\text{CH}_3 \text{CH}_2 \text{CH}(\text{CH}_3) \text{CH}_2 \text{CH}_2 \text{CH}_3$                         |                       |  |
| 2-cloropentano   | $\text{CH}_3 \text{CHCl} \text{CH}_2 \text{CH}_2 \text{CH}_3$  |                       |  |
| butano   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_3$  |                       |  |
| metilbutano  | $\text{CH}_3 \text{CH}_2 \text{CH}(\text{CH}_3) \text{CH}_3$   |                       |  |
| <b>b)</b> but-2-eno  | $\text{CH}_3 \text{CH}=\text{CH} \text{CH}_3$  |                       |  |
| propeno  | $\text{CH}_3 \text{CH}=\text{CH}_2$  |                       |  |
| but-1-eno  | $\text{CH}_2=\text{CH} \text{CH}_2 \text{CH}_3$  |                       |  |
| pent-1-ino   | $\text{CH}\equiv\text{C} \text{CH}_2 \text{CH}_2 \text{CH}_3$  |                       |  |
| pent-2-ino   | $\text{CH}_3 \text{C}\equiv\text{C} \text{CH}_2 \text{CH}_3$   |                       |  |
| <b>c)</b> butiletiléter  | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{O} \text{CH}_2 \text{CH}_3$                           |                       |  |
| dietiléter   | $\text{CH}_3 \text{CH}_2 \text{O} \text{CH}_2 \text{CH}_3$   |                       |  |
| etilmetiléter  | $\text{CH}_3 \text{CH}_2 \text{O} \text{CH}_3$   |                       |  |
| dimetiléter  | $\text{CH}_3 \text{O} \text{CH}_3$   |                       |  |
| <b>d)</b> 1-propan-1-ol  | $\text{CH}_3 \text{CH}_2 \text{CH}_2\text{OH}$   |                       |  |
| butan-2-ol   | $\text{CH}_3 \text{CH}_2 \text{CHOH} \text{CH}_3$  |                       |  |
| pentan-3-ol  | $\text{CH}_3 \text{CH}_2 \text{CHOH} \text{CH}_2 \text{CH}_3$  |                       |  |
| hexan-3-ol   | $\text{CH}_3 \text{CH}_2 \text{CHOH} \text{CH}_2 \text{CH}_2 \text{CH}_3$                                    |                       |  |
| propan-2-ol  | $\text{CH}_3 \text{CHOH} \text{CH}_3$  |                       |  |
| <b>e)</b> propanal   | $\text{CH}_3 \text{CH}_2 \text{CHO}$   |                       |  |
| butanona   | $\text{CH}_3 \text{CO} \text{CH}_2 \text{CH}_3$  |                       |  |
| pentanal   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CHO}$   |                       |  |
| metanal  | $\text{HCHO}$  |                       |  |
| pentan-2-ona   | $\text{CH}_3 \text{CO} \text{CH}_2 \text{CH}_2 \text{CH}_3$  |                       |  |
| pentan-3-ona   | $\text{CH}_3 \text{CH}_2 \text{CO} \text{CH}_2 \text{CH}_3$  |                       |  |
| propanona  | $\text{CH}_3 \text{CO} \text{CH}_3$  |                       |  |
| <b>f)</b> ácido propanoico   | $\text{CH}_3 \text{CH}_2 \text{COOH}$  |                       |  |
| ácido etanoico   | $\text{CH}_3 \text{COOH}$  |                       |  |
| ácido butanoico  | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{COOH}$  |                       |  |
| ácido pentanoico   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{COOH}$  |                       |  |
| ácido benzoico   |  $\text{COOH}$            |                       |  |
| ácido metanoico  | $\text{HCOOH}$   |                       |  |
| <b>g)</b> metanoato de metilo  | $\text{HCOO} \text{CH}_3$  |                       |  |
| propanoato de etilo  | $\text{CH}_3 \text{CH}_2 \text{COO} \text{CH}_2 \text{CH}_3$   |                       |  |
| acetato de etilo   | $\text{CH}_3 \text{COO} \text{CH}_2 \text{CH}_3$   |                       |  |
| butanoato de propilo   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{COO} \text{CH}_2 \text{CH}_2 \text{CH}_3$                         |                       |  |
| propanoato de metilo   | $\text{CH}_3 \text{CH}_2 \text{COO} \text{CH}_3$   |                       |  |
| propanoato de butilo   | $\text{CH}_3 \text{CH}_2 \text{COO} \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CH}_3$                         |                       |  |
| etanoato de fenilo   | $\text{CH}_3 \text{COO}$  |                       |  |
| <b>h)</b> trimetilamina  | $\text{N}(\text{CH}_3)_3$  |                       |  |
| fenilamina   |                           |                       |  |
| etildimetilamina   | $\text{CH}_3 \text{CH}_2 \text{N}(\text{CH}_3)_2$  |                       |  |
| etilmetilpropilamina   | $\text{CH}_3 \text{CH}_2 \text{-N(CH}_3\text{)-CH}_2 \text{CH}_2 \text{CH}_3$                                |                       |  |
| difenilamina   |                           |                       |  |
| <b>i)</b> propanamida  | $\text{CH}_3 \text{CH}_2 \text{CONH}_2$  |                       |  |
| butanamida   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CONH}_2$  |                       |  |
| hexanamida   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CONH}_2$                                  |                       |  |
| pentanamida  | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CONH}_2$  |                       |  |
| metanamida   | $\text{HCONH}_2$   |                       |  |
| benzamida  |                           |                       |  |
| <b>j)</b> benzonitrilo   |                           |                       |  |
| etanonitrilo   | $\text{CH}_3 \text{CN}$  |                       |  |
| propanonitrilo   | $\text{CH}_3 \text{CH}_2 \text{CN}$  |                       |  |
| heptanonitrilo   | $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CN}$                          |                       |  |
| metanonitrilo  | $\text{HCN}$   |                       |  |
| <b>k)</b>  |  |                       |  |
| $\text{CH}_3 (\text{CH}_2)_6 \text{CH}_3$                                |  | octano                |  |
| $\text{CH}_3 (\text{CH}_2)_{10} \text{CH}_3$                             |  | dodecano              |  |
| $\text{CH}_3 \text{CH}(\text{CH}_3) \text{CH}_3$                         |  | metilpropano          |  |
| $\text{CH}_3 \text{CH}_2 \text{CHCl} \text{CH}_3$                        |  | 2-clorobutano         |  |
| $\text{CH}_2 \text{I} \text{CH}_2 \text{CH}_3$                           |  | 1-yodopropano         |  |
| $\text{CH}_3 \text{CH}_2 \text{Cl}$                                      |  | cloroetano            |  |
| <b>l)</b>  |  |                       |  |
| $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CH}=\text{CH} \text{CH}_3$    |  | hex-2-eno             |  |
| $\text{CH}_3 \text{CH}_2 \text{C}\equiv\text{C} \text{CH} \text{CH}_3$   |  | hex-3-ino             |  |
| $\text{CH}_3 \text{CH}=\text{CH}_2$                                      |  | propeno               |  |
| $\text{CH}_2=\text{CH} \text{CH}_2 \text{CH}_3$                          |  | but-1-eno             |  |
| <b>m)</b>  |  |                       |  |
| $\text{CH}_3 \text{O} \text{CH}_2 \text{CH}_3$                           |  | etilmetiléter         |  |
| $\text{CH}_3 \text{CHOH} \text{CH}_3$                                    |  | propan-2-ol           |  |
| $\text{CH}_3 \text{CH}_2 \text{CHOH} \text{CH}_3$                        |  | butan-2-ol            |  |
| $\text{CH}_3 \text{CH}_2 \text{O} \text{CH}_3$                           |  | etilmetiléter         |  |
| <b>n)</b>  |  |                       |  |
| $\text{HCHO}$  |  | metanal               |  |
| $\text{CH}_3 \text{CHO}$   |  | etanal                |  |
| $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CO} \text{CH}_3$              |  | pentan-2-ona          |  |
| $\text{CH}_3 \text{CO} \text{CH}_3$                                      |  | propanona             |  |
| $\text{CH}_3 \text{CH}_2 \text{CHO}$                                     |  | propanal              |  |
| <b>ñ)</b>  |  |                       |  |
| $\text{CH}_3 \text{COO} \text{CH}_3$                                     |  | etanoato de metilo    |  |
| $\text{CH}_3 \text{CH}_2 \text{COO} \text{CH}_2 \text{CH}_2 \text{CH}_3$ |  | propanoato de propilo |  |
| $\text{COOH} \text{CH}_2 \text{CH}_2 \text{CH}_2 \text{CH}_3$            |  | ácido pentanoico      |  |
| $\text{CH}_3 \text{COOH}$  |  | ácido etanoico        |  |
| $\text{CH}_3 \text{CH}_2 \text{COOH}$                                    |  | ácido propanoico      |  |
| <b>o)</b>  |  |                       |  |
| $\text{CH}_3 \text{NH} \text{CH}_2 \text{CH}_3$                          |  | etilmetilamina        |  |
| $\text{CH}_3 \text{CH}_2 \text{NH}_2$                                    |  | etilamina             |  |
| $\text{CH}_3 \text{NH} \text{CH}_3$                                      |  | dimetilamina          |  |
| $\text{CH}_3 \text{CONH}_2$  |  | etanamida             |  |
| $\text{CH}_3 \text{CH}_2 \text{CN}$                                      |  | propanonitrilo        |  |
| $\text{CH}_3 \text{CH}_2 \text{CONH}_2$                                  |  | propanamida           |  |
| $\text{CH}_3 \text{CH}_2 \text{CH}_2 \text{CN}$                          |  | butanonitrilo         |  |