



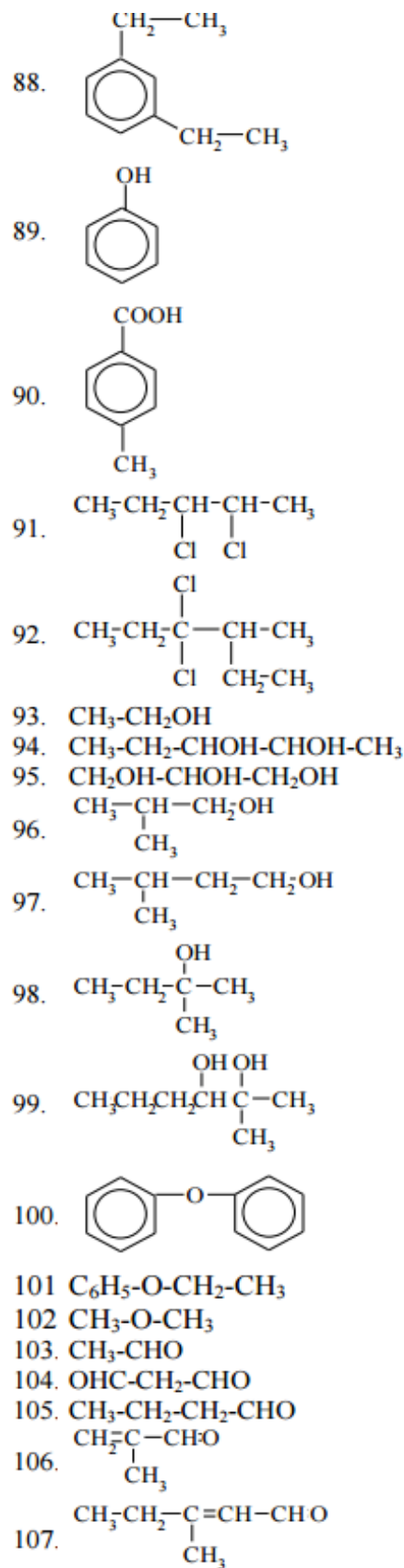
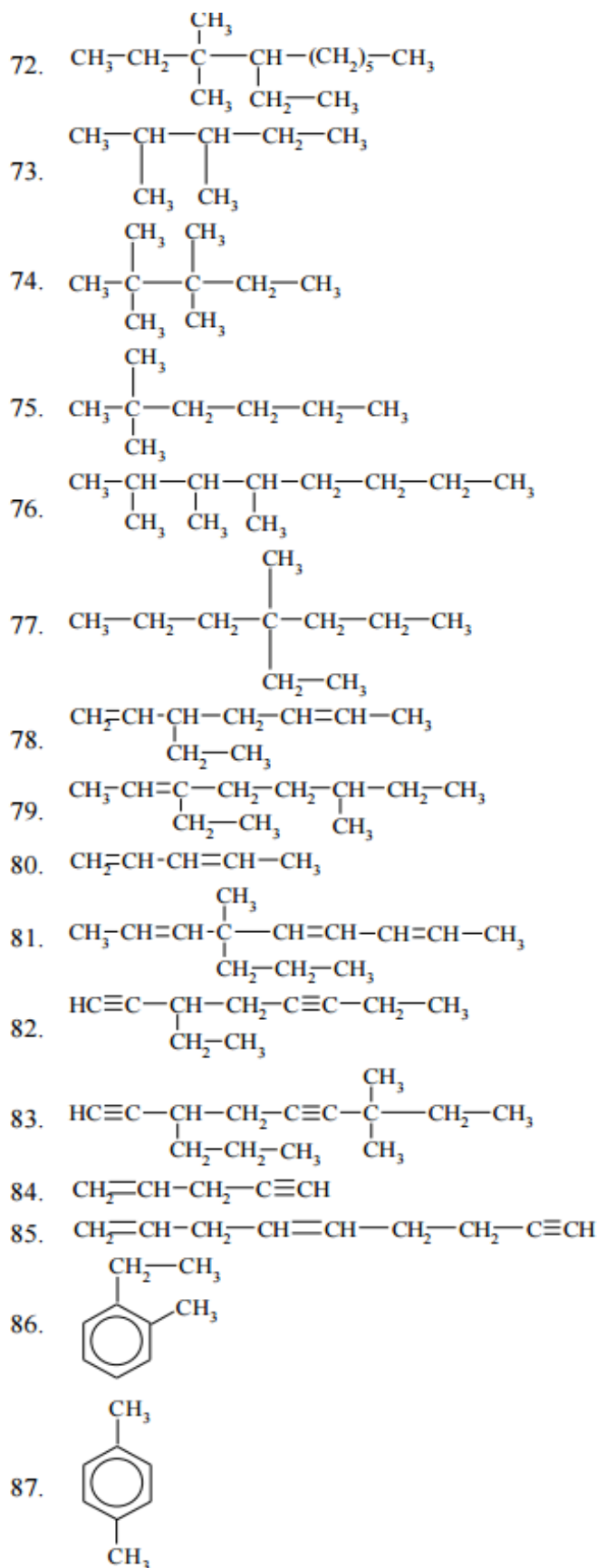
EJERCICIOS DE FORMULACIÓN ORGÁNICA

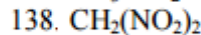
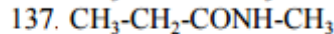
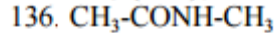
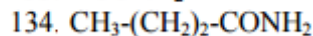
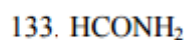
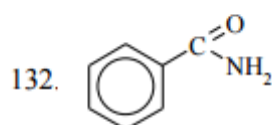
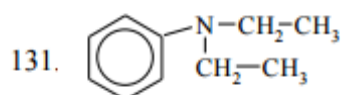
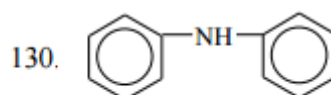
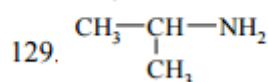
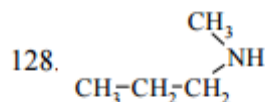
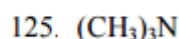
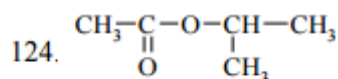
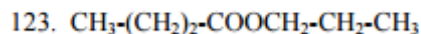
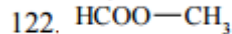
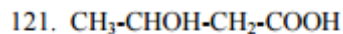
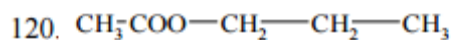
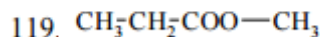
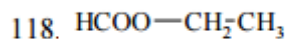
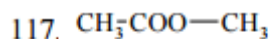
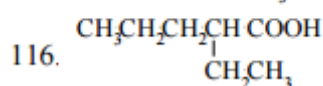
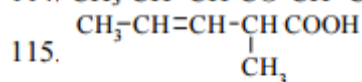
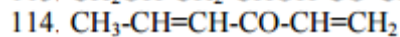
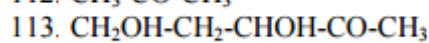
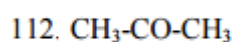
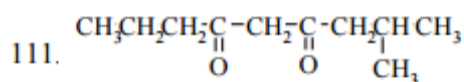
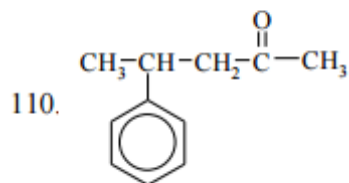
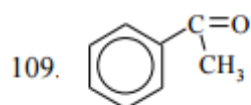
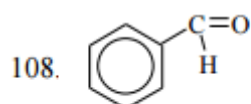
Representa las siguientes moléculas

1. metilpropano.
2. 2,3-dimetilbutano
3. 5-etil-2,3,6-trimetil-4-propiloctano.
4. 2-metilbutano o isopentano.
5. 3-metilhexano.
6. eteno (etileno)
7. 1-buteno
8. 2-penteno
9. 1,3-butadieno
10. 1,2,3-butatrieno
11. acetileno (etino)
12. 4-etil-5,6-dimetil-1-heptino
13. 3-etil-1,5-hexadieno
14. 6-etil-6-metil-1,4-octadieno
15. 2,7-dimetil-3,5-nonadieno
16. 1,7-nonadien-3,5-diino
17. 4,8-dimetil-2,4-nonadien-6-ino
18. 3-metil-1-hexen-5-ino
19. 8-metil-5-vinil-1,6-decadien-3,9-diino
20. 4,5-dimetil-3,6-octadien-1-ino
21. 1,2-dietil-3-metilbenceno.
22. 1,3,5-trimetilbenceno
23. m-dimetilbenceno o 1,3-dimetilbenceno
24. 2-clorobutano
25. 1-bromopropano
26. Fluorometano
27. Tetraclorometano
28. Triclorometano o cloroformo
29. 3-penten-2-ol
30. 4-metil-1,3-pentanodiol
31. 2-buten-1,4-diol
32. 3-hexen-5-in-1-ol
33. 1,2,3-propanotriol o glicerol
34. 3-metil-3-hexanol
35. Isopropanol o 2-propanol
36. Metanooxietano o etilmetiléter.
37. Fenilpropiléter
38. Metoxieteno, o metilviniléter.
39. 2-butenal
40. Dimetilcetona
41. Dietilcetona o 3-pentanona
42. Etanal
43. 2-metilpropanal o isobutanal
44. Metilvinilcetona o 3-buten-2-ona
45. Ciclohexilfenilcetona
46. Propanal
47. 2,2-dimetilbutanal
48. 2-metil-3-pentanona
49. Ácido hexanoico
50. Ácido 2-butenico
51. Ácido propanodioico
52. Ácido 2-hidroxietanoico o glicólico
53. Ácido bencenocarboxílico
54. Ácido 4-oxo-pentanoico
55. Acetato de plomo (II)
56. 2-metilpropanoato de sodio
57. Propanoato de etilo
58. Ácido 2,3-dihidroxibutanoico
59. Etanoato de metilo
60. 2-cloro-butanoato de etilo
61. Butanamida
62. 2-metilpropanamida
63. N,N-dimetilmetanamida
64. N-metiletanamida
65. Butanodiamida.
66. Isopropilamina.
67. Metilpropilamina.
68. 2-propenilamina o acrilamina.
69. 1,3-pentanodiamina.
70. 1,3-dinitrobenceno
71. 2-nitrobutano



Nombra los siguientes compuestos



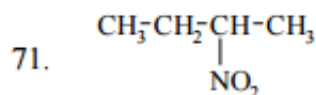
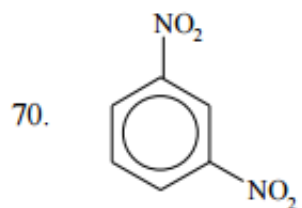
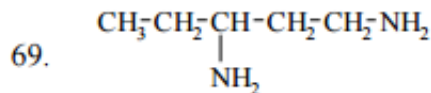
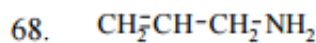
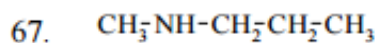
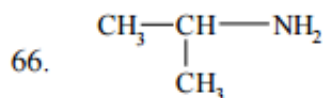
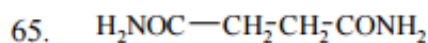
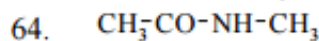
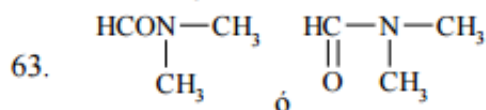
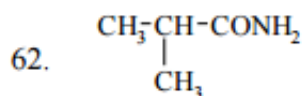
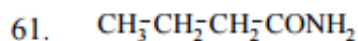
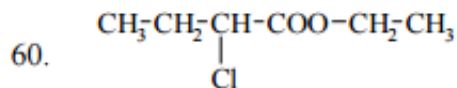
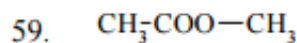
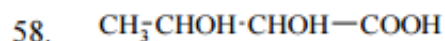
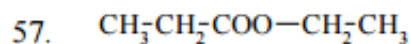
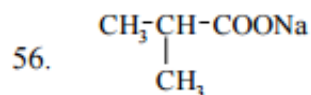
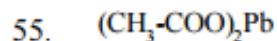
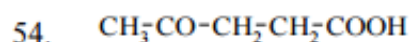
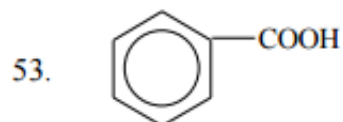
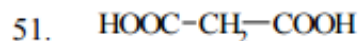
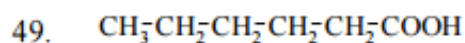
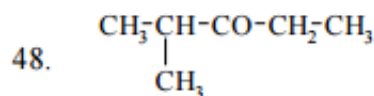
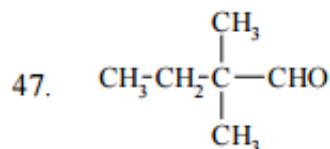
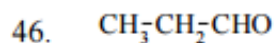
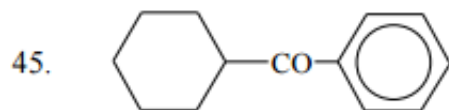
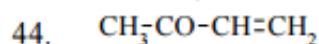
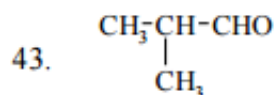




Soluciones

1. $\begin{array}{c} \text{CH}_3\text{-CH-CH}_3 \\ | \\ \text{CH}_3 \end{array}$
2. $\begin{array}{c} \text{CH}_3\text{-CH-CH-CH}_3 \\ | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$
3. $\begin{array}{c} \text{CH}_3\text{-CH}_2\text{-CH}_2 \quad \text{CH}_3 \\ | \quad | \\ \text{CH}_3\text{-CH-CH-CH-CH-CH-CH}_2\text{-CH}_3 \\ | \quad | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \quad \text{CH}_2\text{-CH}_3 \end{array}$
4. $\begin{array}{c} \text{CH}_3\text{-CH-CH}_2\text{-CH}_3 \\ | \\ \text{CH}_3 \end{array}$
5. $\begin{array}{c} \text{CH}_3\text{-CH}_2\text{-CH-CH}_2\text{-CH}_2\text{-CH}_3 \\ | \\ \text{CH}_3 \end{array}$
6. $\text{CH}_2\text{=CH}_2$
7. $\text{CH}_3\text{-CH}_2\text{-CH=CH}_2$
8. $\text{CH}_3\text{-CH}_2\text{-CH=CH-CH}_3$
9. $\text{CH}_2\text{=CH-CH=CH}_2$
10. $\text{CH}_2\text{=C=C=CH}_2$
11. $\text{HC}\equiv\text{CH}$
12. $\begin{array}{c} \text{CH}_3\text{-CH-CH-CH-CH}_2\text{-C}\equiv\text{CH} \\ | \quad | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \quad \text{CH}_2\text{-CH}_3 \end{array}$
13. $\begin{array}{c} \text{CH}\equiv\text{C-CH-CH}_2\text{-C}\equiv\text{CH} \\ | \\ \text{CH}_2\text{-CH}_3 \end{array}$
14. $\begin{array}{c} \text{CH}\equiv\text{C-CH}_2\text{-C}\equiv\text{C-C-CH}_2\text{-CH}_3 \\ | \\ \text{CH}_3 \\ | \\ \text{CH}_2\text{-CH}_3 \end{array}$
15. $\begin{array}{c} \text{CH}_3\text{-CH-C}\equiv\text{C-C}\equiv\text{C-CH-CH}_2\text{-CH}_3 \\ | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$
16. $\begin{array}{c} \text{CH}_2\text{-CH-C}\equiv\text{C-C}\equiv\text{C-CH=CH-CH}_3 \\ | \\ \text{CH}_3 \end{array}$
17. $\begin{array}{c} \text{CH}_3\text{-CH=CH-C=CH-C}\equiv\text{C-CH-CH}_3 \\ | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$
18. $\begin{array}{c} \text{CH}_2\text{-CH-CH-CH}_2\text{-C}\equiv\text{CH} \\ | \\ \text{CH}_3 \end{array}$
19. $\begin{array}{c} \text{CH}_2\text{-CH-C}\equiv\text{C-CH-CH=CH-CH-C}\equiv\text{CH} \\ | \quad | \\ \text{CH=CH}_2 \quad \text{CH}_3 \end{array}$
20. $\begin{array}{c} \text{CH}\equiv\text{C-CH=C-CH-CH=CH-CH}_3 \\ | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$

- 21.
- 22.
- 23.
24. $\begin{array}{c} \text{CH}_3\text{-CH-CH}_2\text{-CH}_3 \\ | \\ \text{Cl} \end{array}$
25. $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-Br}$
26. CH_3F
27. CCl_4
28. CHCl_3
29. $\text{CH}_3\text{-CHOH-CH=CH-CH}_3$
30. $\begin{array}{c} \text{HOCH}_2\text{-CH}_2\text{-CHOH-CH-CH}_3 \\ | \\ \text{CH}_3 \end{array}$
31. $\text{HOCH}_2\text{-CH=CH-CH}_2\text{OH}$
32. $\text{HOCH}_2\text{-CH}_2\text{-CH=CH-C}\equiv\text{CH}$
33. $\text{HOCH}_2\text{-CHOH-CH}_2\text{OH}$
34. $\begin{array}{c} \text{OH} \\ | \\ \text{CH}_3\text{-C-CH}_2\text{-CH}_3 \\ | \\ \text{CH}_2\text{-CH}_2\text{-CH}_3 \end{array}$
35. $\text{CH}_3\text{-CHOH-CH}_3$
36. $\text{CH}_3\text{-O-CH}_2\text{-CH}_3$
- 37.
38. $\text{CH}_3\text{-O-CH=CH}_2$
39. $\text{CH}_3\text{-CH=CH-CHO}$
40. $\text{CH}_3\text{-CO-CH}_3$
41. $\text{CH}_3\text{-CH}_2\text{-CO-CH}_2\text{-CH}_3$
42. $\text{CH}_3\text{-CHO}$





- | | |
|---|------------------------------------|
| 72. 4-etil-3,3-dimetildecano | 106. 2-metil-2-propenal |
| 73. 2,3-dimetilpentano | 107. 3-metil-2-pentenal |
| 74. 2,2,3,3-tetrametilpentano | 108. benzaldehído |
| 75. 2,2-dimetilhexano | 109. fenilmetilcetona |
| 76. 2,3,4-trimetiloctano | 110. 4-fenil-2-pentanona |
| 77. 4-etil-4-metilheptano | 111. 2-metil-4,6-nonadiona |
| 78. 3-etil-1,5-heptadieno | 112. propanona (acetona) |
| 79. 3-etil-6-metil-2-octeno | 113. 3,5-dihidroxi-2-pentanona |
| 80. 1,3-pentadieno | 114. 1,4-hexadien-3-ona |
| 81. 6-metil-6-propil-2,4,7-nonatrieno | 115. ácido 2-metil-3-pentenoico |
| 82. 3-etil-1,5-octadieno | 116. ácido 2-etilpentanoico |
| 83. 7,7-dimetil-3-propil-1,5-nonadieno | 117. etanoato de metilo |
| 84. 1-penten-4-ino | 118. metanoato (formiato) de etilo |
| 85. 1,4-nonadien-8-ino | 119. propanoato de metilo |
| 86. 1-etil-2-metilbenceno (o-etiltolueno) | 120. etanoato de propilo |
| 87. 1,4-dimetilbenceno (p-dimetilbenceno) | 121. ácido 3-hidroxi-butanoico |
| 88. m-dietilbenceno | 122. metanoato de metilo |
| 89. fenol | 123. butanoato de propilo |
| 90. ácido p-metilbenzoico | 124. etanoato de isopropilo |
| 91. 2,3-dicloropentano | 125. trimetilamina |
| 92. 2-etil-3,3-dicloropentano | 126. 1,4-butanodiamina |
| 93. Etanol | 127. Anilina |
| 94. 2,3-pentanodiol | 128. metilpropilamina |
| 95. 1,2,3-propanotriol | 129. isopropilamina |
| 96. 2-metil-1-propanol | 130. difenilamina |
| 97. 3-metil-1-butanol | 131. dietilfenilamina |
| 98. 2-metil-2-butanol | 132. benzamida |
| 99. 2-metil-2,3-hexanodiol | 133. metanamida (formamida) |
| 100. difeniléter | 134. butanamida |
| 101. etilfeniléter | 135. octanamida |
| 102. dimetiléter | 136. N-metiletanamida |
| 103. etanal | 137. N-metilpropanamida |
| 104. propanodial | 138. Dinitrometano |
| 105. butanal | 139. 1,2-dinitroetano |