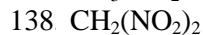
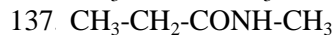
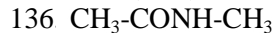
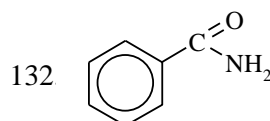
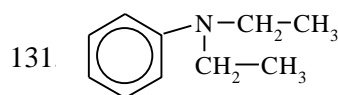
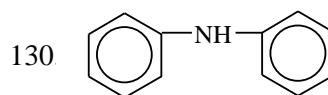
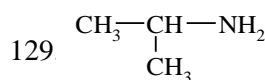
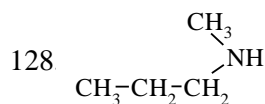
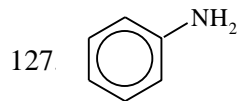
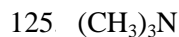
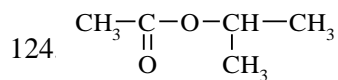
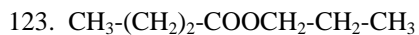
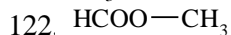
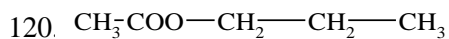
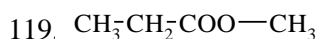
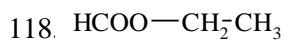
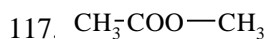
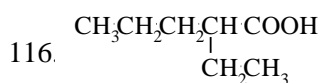
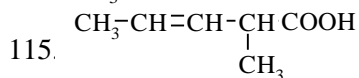
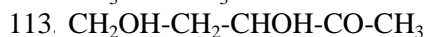
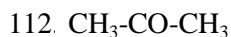
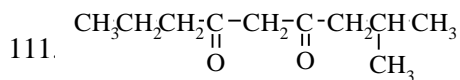
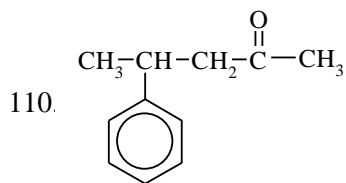
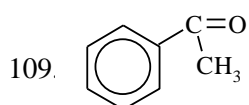
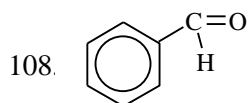




EJERCICIOS RESUELTOS FORMULACIÓN ORGÁNICA

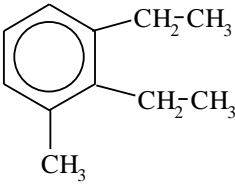
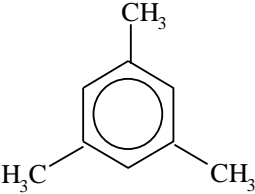
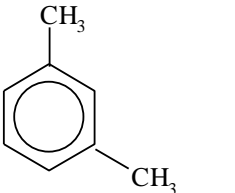
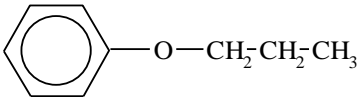
Ejercicios de formulación y nomenclatura de Química Orgánica

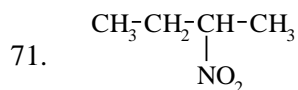
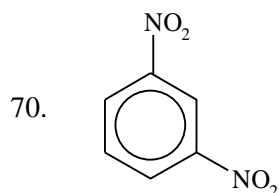
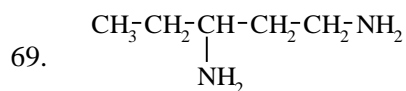
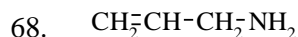
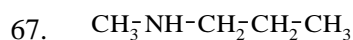
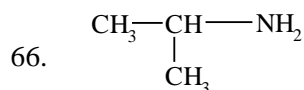
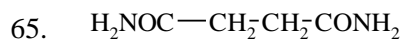
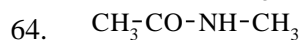
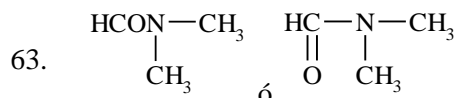
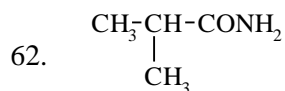
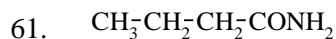
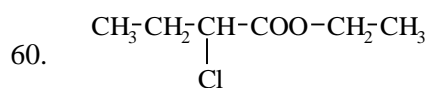
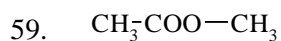
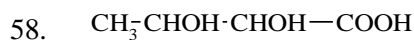
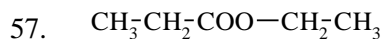
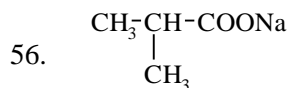
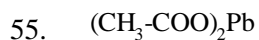
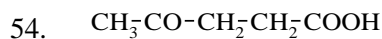
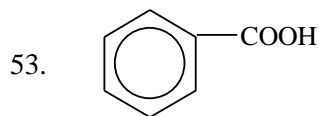
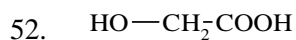
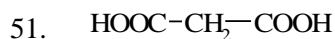
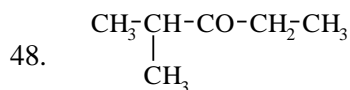
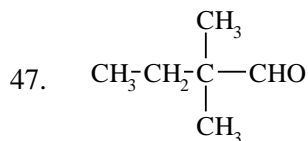
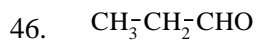
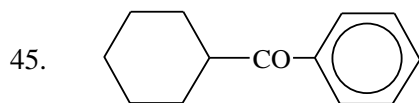
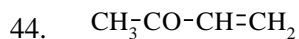
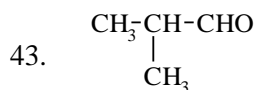
1. metilpropano.
2. 2,3-dimetilbutano
3. 5-etil-2,3,6-trimetil-4-propiloctano.
4. 2-metilbutano o isopentano.
5. 3-metilhexano.
6. eteno (etileno)
7. 1-buteno
8. 2-penteno
9. 1,3-butadieno
10. 1,2,3-butatrieno
11. acetileno (etino)
12. 4-etil-5,6-dimetil-1-heptino
13. 3-etil-1,5-hexadiino
14. 6-etil-6-metil-1,4-octadiino
15. 2,7-dimetil-3,5-nonadiino
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-dihidroxi-butanoico
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



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.
$$\begin{array}{c} \text{CH}_3\text{-CH}_2\text{-CH}_2 \quad \quad \quad \text{CH}_3 \\ | \quad | \quad | \quad | \\ \text{CH}_3\text{-CH-CH-CH-CH-CH-CH}_2\text{-CH}_3 \\ | \quad | \quad | \\ \text{CH}_3 \quad \text{CH}_3 \quad \text{CH}_2\text{-CH}_3 \end{array}$$
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. $\text{CH}_3\text{-CH}_2\text{-CH}=\text{CH}_2$
8. $\text{CH}_3\text{-CH}_2\text{-CH}=\text{CH-CH}_3$
9. $\text{CH}_2=\text{CH-CH}=\text{CH}_2$
10. $\text{CH}_2=\text{C}=\text{C}=\text{CH}_2$
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.
$$\text{CH}_2\text{=CH-C}\equiv\text{C-C}\equiv\text{C-CH=CH-CH}_3$$
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.
$$\begin{array}{c} \text{CH}_3\text{-CHOH-CH=CH-CH}_3 \\ | \\ \text{HOCH}_2\text{-CH}_2\text{-CHOH-CH-CH}_3 \\ | \\ \text{CH}_3 \end{array}$$
30.
$$\begin{array}{c} \text{HOCH}_2\text{-CH=CH-CH}_2\text{OH} \\ | \\ \text{HOCH}_2\text{-CH}_2\text{-CH=CH-C}\equiv\text{CH} \end{array}$$
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
73. 2,3-dimetilpentano
74. 2,2,3,3-tetrametilpentano
75. 2,2-dimetilhexano
76. 2,3,4-trimetiloctano
77. 4-etil-4-metilheptano
78. 3-etil-1,5-heptadieno
79. 3-etil-6-metil-2-octeno
80. 1,3-pentadieno
81. 6-metil-6-propil-2,4,7-nonatrieno
82. 3-etil-1,5-octadieno
83. 7,7-dimetil-3-propil-1,5-nonadieno
84. 1-penten-4-ino
85. 1,4-nonadien-8-ino
86. 1-etil-2-metilbenceno (o-etiltolueno)
87. 1,4-dimetilbenceno (p-dimetilbenceno)
88. m-dietilbenceno
89. fenol
90. ácido p-metilbenzoico
91. 2,3-dicloropentano
92. 2-etil-3,3-dicloropentano
93. Etanol
94. 2,3-pentanodiol
95. 1,2,3-propanotriol
96. 2-metil-1-propanol
97. 3-metil-1-butanol
98. 2-metil-2-butanol
99. 2-metil-2,3-hexanodiol
100. difeniléter
101. etilfeniléter
102. dimetiléter
103. etanal
104. propanodial
105. butanal
106. 2-metil-2-propenal
107. 3-metil-2-pentenal
108. benzaldehído
109. fenilmetilcetona
110. 4-fenil-2-pentanona
111. 2-metil-4,6-nonadiona
112. propanona (acetona)
113. 3,5-dihidroxi-2-pentanona
114. 1,4-hexadien-3-ona
115. ácido 2-metil-3-pentenoico
116. ácido 2-etilpentanoico
117. etanoato de metilo
118. metanoato (formiato) de etilo
119. propanoato de metilo
120. etanoato de propilo
121. ácido 3-hidroxi-betanoico
122. metanoato de metilo
123. butanoato de propilo
124. etanoato de isopropilo
125. trimetilamina
126. 1,4-butanodiamina
127. Anilina
128. metilpropilamina
129. isopropilamina
130. difenilamina
131. dietilfenilamina
132. benzamida
133. metanamida (formamida)
134. butanamida
135. octanamida
136. N-metiletanamida
137. N-metilpropanamida
138. Dinitrometano
139. 1,2-dinitroetano