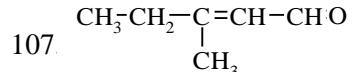
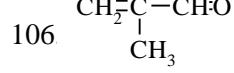
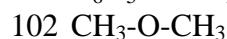
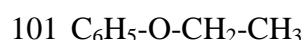
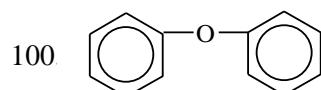
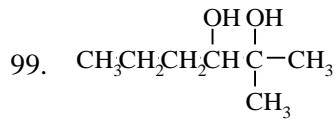
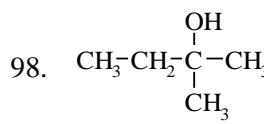
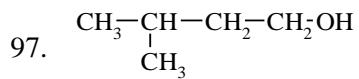
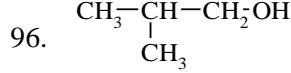
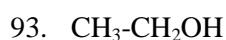
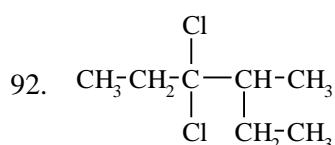
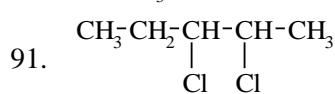
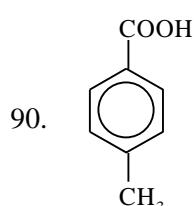
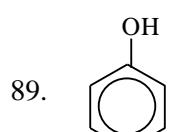
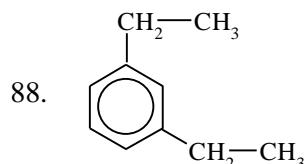
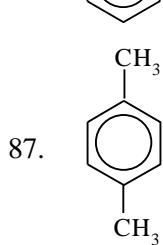
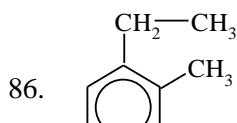
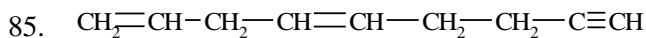
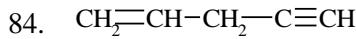
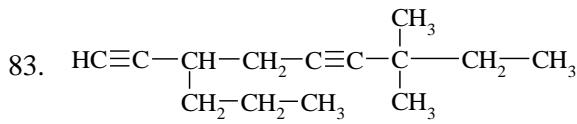
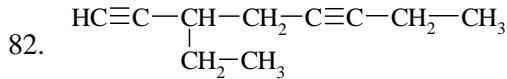
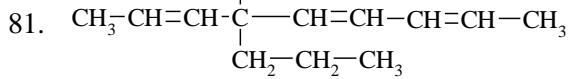
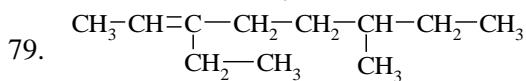
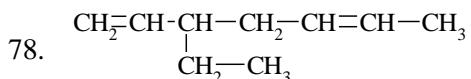
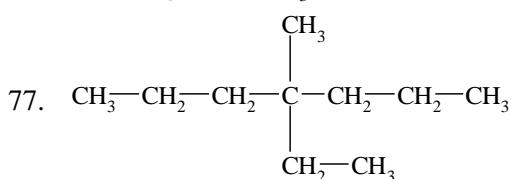
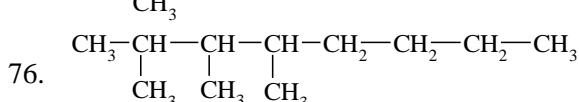
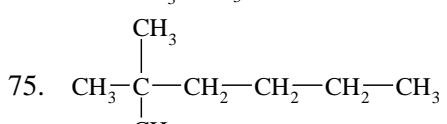
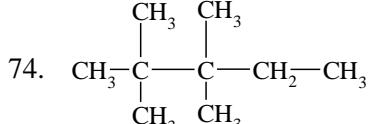
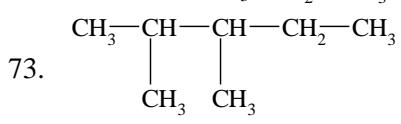
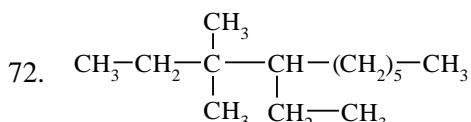
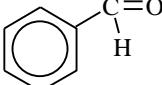
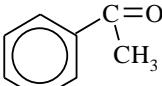
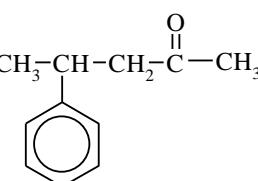
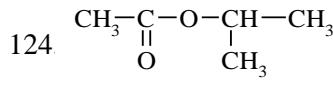
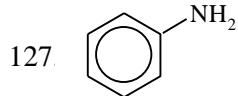
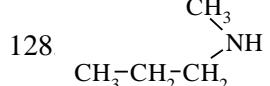
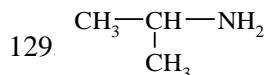
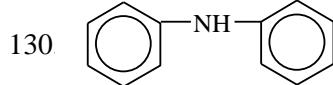
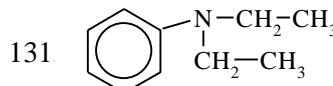
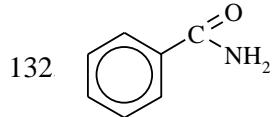


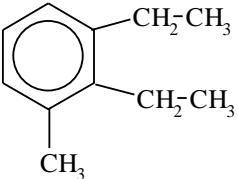
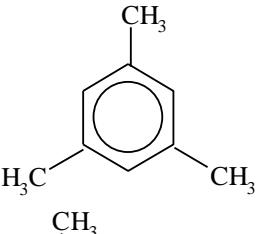
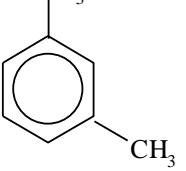
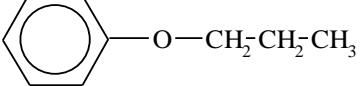
Ejercicios de formulación y nomenclatura de Química Orgánica

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. But-1-eno
8. Pent-2-eno
9. Buta-1,3-dieno
10. Buta-1,2,3-trieno
11. Acetileno (etino)
12. 4-etil-5,6-dimetilhept-1-ino
13. 3-etilhexa-1,5-diino
14. 6-etil-6-metilocta-1,4-diino
15. 2,7-dimetilnona-3,5-diino
16. Nona-1,7-dien-3,5-diino
17. 4,8-dimetilnona-2,4-dien-6-ino
18. 3-metilhex-1-en-5-ino
19. 8-metil-5-vinildeca-1,6-dien-3,9-diino
20. 4,5-dimetilocta-3,6-dien-1-ino
21. 1,2-dietil-3-metilbenceno.
22. 1,3,5-trimetilbenceno
23. m-dimetilbenceno
24. 2-clorobutano
25. 1-bromopropano
26. Fluorometano
27. Tetraclorometano
28. Triclorometano o cloroformo
29. Pent-3-en-2-ol
30. 4-metilpentano-1,3-diol
31. But-2-eno-1,4-diol
32. Hex-3-en-5-in-1-ol
33. Propano-1,2,3-triol o glicerol
34. 3-metilhexan-3-ol
35. Isopropanol o propan-2-ol
36. Metoxietano o etilmetyléter.
37. Fenilpropiléter
38. Metoxieteno o metilviniléter.
39. Buten-2-al
40. Dimetil cetona
41. Dietil cetona o pentan-3-ona
42. Etanal
43. 2-metilpropanal
44. Metil vinil cetona o but-3-en-2-ona
45. Ciclohexil fenil cetona
46. Propanal
47. 2,2-dimetilbutanal
48. 2-metilpentan-3-ona
49. Ácido hexanoico
50. Ácido but-2-enoico
51. Ácido propanodioico
52. Ácido 2-hidroxietanoico o glicólico
53. Ácido bencenocarboxílico
54. Ácido 4-oxopentanoico
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-clorobutanoato de etilo
61. Butanamida
62. 2-metilpropanamida
63. N,N-dimetilmelanamida
64. N-metiletanamida
65. Butanodiamida
66. Isopropilamina
67. Metilpropilamina
68. 2-propenilamina o acrilamina.
69. Pentano- 1,3-diamina
70. 1,3-dinitrobenceno
71. 2-nitrobutano



108. 
109. 
110. 
111. $\text{CH}_3\text{CH}_2\text{CH}_2\overset{\text{||}}{\underset{\text{O}}{\text{C}}}-\text{CH}_2\overset{\text{||}}{\underset{\text{O}}{\text{C}}}-\text{CH}_2\overset{\text{|}}{\underset{\text{CH}_3}{\text{CH}}} \text{CH}_3$
112. $\text{CH}_3\text{-CO-CH}_3$
113. $\text{CH}_2\text{OH-CH}_2\text{-CHOH-CO-CH}_3$
114. $\text{CH}_3\text{-CH=CH-CO-CH=CH}_2$
 $\text{CH}_3\text{-CH=CH-CH} \overset{\text{|}}{\underset{\text{CH}_3}{\text{COOH}}}$
115. $\text{CH}_3\text{CH}_2\overset{\text{|}}{\underset{\text{CH}_2\text{CH}_3}{\text{CH}}} \text{COOH}$
116. $\text{CH}_3\text{CH}_2\text{CH}_2\overset{\text{|}}{\underset{\text{CH}_2\text{CH}_3}{\text{CH}}} \text{COOH}$
117. $\text{CH}_3\text{-COO-CH}_3$
118. $\text{HCOO-CH}_2\text{CH}_3$
119. $\text{CH}_3\text{CH}_2\text{COO-CH}_3$
120. $\text{CH}_3\text{-COO-CH}_2\text{-CH}_2\text{-CH}_3$
121. $\text{CH}_3\text{-CHOH-CH}_2\text{-COOH}$
122. HCOO-CH_3
123. $\text{CH}_3\text{-(CH}_2\text{)}_2\text{-COOCH}_2\text{-CH}_2\text{-CH}_3$
124. 
125. $(\text{CH}_3)_3\text{N}$
126. $\text{H}_2\text{N-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-NH}_2$
127. 
128. 
129. 
130. 
131. 
132. 
133. HCONH_2
134. $\text{CH}_3\text{-(CH}_2\text{)}_2\text{-CONH}_2$
135. $\text{CH}_3\text{-(CH}_2\text{)}_6\text{-CONH}_2$
136. $\text{CH}_3\text{-CONH-CH}_3$
137. $\text{CH}_3\text{-CH}_2\text{-CONH-CH}_3$
138. $\text{CH}_2(\text{NO}_2)_2$
139. $\text{NO}_2\text{-CH}_2\text{-CH}_2\text{-NO}_2$

Soluciones

1. $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
2. $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}-\text{CH}_3 \\ | \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$
3. $\begin{array}{ccccc} & \text{CH}_3-\text{CH}_2-\text{CH}_2 & & \text{CH}_3 \\ & | & & | \\ \text{CH}_3-\text{CH} & -\text{CH}-\text{CH}-\text{CH} & -\text{CH}-\text{CH}_2-\text{CH}_3 & & \\ | & & | & & \\ \text{CH}_3 & \text{CH}_3 & \text{CH}_2-\text{CH}_3 & & \end{array}$
4. $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
5. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
6. $\text{CH}_2=\text{CH}_2$
7. $\text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}_2$
8. $\text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}-\text{CH}_3$
9. $\text{CH}_2=\text{CH}-\text{CH}=\text{CH}_2$
10. $\text{CH}_2=\text{C}=\text{C}=\text{CH}_2$
11. $\text{HC}\equiv\text{CH}$
12. $\begin{array}{cccc} \text{CH}_3-\text{CH} & -\text{CH} & -\text{CH} & -\text{CH}_2-\text{C}\equiv\text{CH} \\ | & | & | & \\ \text{CH}_3 & \text{CH}_3 & \text{CH}_2-\text{CH}_3 & \end{array}$
13. $\begin{array}{c} \text{CH}\equiv\text{C}—\text{CH}-\text{CH}_2-\text{C}\equiv\text{CH} \\ | \\ \text{CH}_2-\text{CH}_3 \end{array}$
14. $\begin{array}{c} \text{CH}\equiv\text{C}—\text{CH}_2-\text{C}\equiv\text{C}—\text{C}(\text{CH}_3)-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_2-\text{CH}_3 \end{array}$
15. $\begin{array}{c} \text{CH}_3-\text{CH} & -\text{C}\equiv\text{C} & -\text{C}\equiv\text{C} & -\text{CH}-\text{CH}_2-\text{CH}_3 \\ | & & | & \\ \text{CH}_3 & & \text{CH}_3 & \end{array}$
16. $\begin{array}{c} \text{CH}_2=\text{CH}-\text{C}\equiv\text{C} & -\text{C}\equiv\text{C} & -\text{CH}=\text{CH}-\text{CH}_3 \\ | & & | \\ \text{CH}_3-\text{CH}=\text{CH} & -\text{C}=\text{CH} & -\text{C}\equiv\text{C}—\text{CH}-\text{CH}_3 \\ | & & | \\ \text{CH}_3 & & \text{CH}_3 \end{array}$
17. $\begin{array}{c} \text{CH}_2=\text{CH}-\text{CH}-\text{CH}_2-\text{C}\equiv\text{CH} \\ | \\ \text{CH}_3 \end{array}$
18. $\begin{array}{c} \text{CH}_2=\text{CH}-\text{C}\equiv\text{C} & -\text{CH} & -\text{CH}=\text{CH}-\text{CH}-\text{C}\equiv\text{CH} \\ | & & | \\ \text{CH}=\text{CH}_2 & & \text{CH}_3 \end{array}$
19. $\begin{array}{c} \text{CH}\equiv\text{C}—\text{CH}=\text{C} & -\text{CH} & -\text{CH}=\text{CH}-\text{CH}_3 \\ | & | & \\ \text{CH}_3 & \text{CH}_3 & \end{array}$
20. $\begin{array}{c} \text{CH}\equiv\text{C}—\text{CH}=\text{C} & -\text{CH} & -\text{CH}=\text{CH}-\text{CH}_3 \\ | & | & \\ \text{CH}_3 & \text{CH}_3 & \end{array}$
21. 
22. 
23. 
24. $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{Cl} \end{array}$
25. $\text{CH}_3-\text{CH}_2-\text{CH}_2\text{Br}$
26. CH_3F
27. CCl_4
28. CHCl_3
29. $\begin{array}{c} \text{CH}_3-\text{CHOH}-\text{CH}=\text{CH}-\text{CH}_3 \\ \text{HOCH}_2-\text{CH}_2\text{CHOH}-\text{CH}-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
30. $\begin{array}{c} \text{HOCH}_2-\text{CH}=\text{CH}-\text{CH}_2\text{OH} \\ \text{HOCH}_2-\text{CH}_2-\text{CH}=\text{CH}-\text{C}\equiv\text{CH} \\ \text{HOCH}_2-\text{CHOH}-\text{CH}_2\text{OH} \\ | \\ \text{OH} \end{array}$
31. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}-\text{CH}_2\text{OH} \\ \text{HOCH}_2-\text{CH}_2-\text{CH}=\text{CH}-\text{C}\equiv\text{CH} \\ \text{HOCH}_2-\text{CHOH}-\text{CH}_2\text{OH} \end{array}$
32. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
33. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
34. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}=\text{CH}-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
35. $\text{CH}_3-\text{CHOH}-\text{CH}_2-\text{CH}_3$
36. $\text{CH}_3-\text{O}-\text{CH}_2-\text{CH}_3$
37. 
38. $\text{CH}_3-\text{O}-\text{CH}=\text{CH}_2$
39. $\text{CH}_3-\text{CH}=\text{CH}-\text{CHO}$
40. $\text{CH}_3-\text{CO}-\text{CH}_3$
41. $\text{CH}_3-\text{CH}_2-\text{CO}-\text{CH}_2-\text{CH}_3$
42. CH_3-CHO

43. $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CHO} \\ | \\ \text{CH}_3 \end{array}$
 44. $\text{CH}_3\text{CO}-\text{CH}=\text{CH}_2$
 45.
 46. $\text{CH}_3\text{CH}_2\text{CHO}$
 47. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{C}-\text{CHO} \\ | \\ \text{CH}_3 \end{array}$
 48. $\begin{array}{c} \text{CH}_3-\text{CH}-\text{CO}-\text{CH}_2\text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$
 49. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{COOH}$
 50. $\text{CH}_3\text{CH}=\text{CH}-\text{COOH}$
 51. $\text{HOOC}-\text{CH}_2-\text{COOH}$
 52. $\text{HO}-\text{CH}_2\text{COOH}$
 53.
 54. $\text{CH}_3\text{CO}-\text{CH}_2\text{CH}_2\text{COOH}$
 55. $(\text{CH}_3\text{COO})_2\text{Pb}$
 56. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3\text{CH}-\text{COONa} \\ | \\ \text{CH}_3 \end{array}$
 57. $\text{CH}_3\text{CH}_2\text{COO}-\text{CH}_2\text{CH}_3$
 58. $\text{CH}_3\text{CHOH}\cdot\text{CHOH}-\text{COOH}$
 59. $\text{CH}_3\text{COO}-\text{CH}_3$
 60. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}-\text{COO}-\text{CH}_2\text{CH}_3 \\ | \\ \text{Cl} \end{array}$
 61. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CONH}_2$
 62. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{CH}-\text{CONH}_2 \\ | \\ \text{CH}_3 \end{array}$
 63. $\begin{array}{c} \text{HCON}-\text{CH}_3 & \text{HC}-\text{N}-\text{CH}_3 \\ | & || \\ \text{CH}_3 & \text{O} & \text{CH}_3 \\ \delta & & \end{array}$
 64. $\text{CH}_3\text{CO}-\text{NH}-\text{CH}_3$
 65. $\text{H}_2\text{NOC}-\text{CH}_2\text{CH}_2\text{CONH}_2$
 66. $\begin{array}{c} \text{CH}_3-\text{CH}=\text{NH}_2 \\ | \\ \text{CH}_3 \end{array}$
 67. $\text{CH}_3\text{NH}-\text{CH}_2\text{CH}_2\text{CH}_3$
 68. $\text{CH}_2\text{CH}-\text{CH}_2\text{NH}_2$
 69. $\begin{array}{c} \text{CH}_3-\text{CH}_2-\text{CH}-\text{CH}_2\text{CH}_2\text{NH}_2 \\ | \\ \text{NH}_2 \end{array}$
 70.
 71. $\begin{array}{c} \text{NO}_2 \\ | \\ \text{CH}_3-\text{CH}_2-\text{CH}-\text{CH}_3 \\ | \\ \text{NO}_2 \end{array}$

72.	4-etil-3,3-dimetildecano	106.	2-metilprop-2-enal
73.	2,3-dimetilpentano	107.	3-metilpent-2-enal
74.	2,2,3,3-tetrametilpentano	108.	benzaldehido
75.	2,2-dimetilhexano	109.	fenilmethylcetona
76.	2,3,4-trimetiloctano	110.	4-fenilpentan-2-ona
77.	4-etil-4-metilheptano	111.	2-metilnona-4,6-diona
78.	3-etilhepta-1,5-dieno	112.	propanona (acetona)
79.	3-etil-6-metiloct-2-eno	113.	3,5-dihidroxipentan-2-ona
80.	Penta-1,3-dieno	114.	hexa-1,4-dien-3-ona
81.	6-metil-6-propilnona-2,4,7-trieno	115.	ácido 2-metilpent-3-enoico
82.	3-etilocta-1,5-diino	116.	ácido 2-etilpentanoico
83.	7,7-dimetil-3-propilnona-1,5-diino	117.	etanoato de metilo
84.	Pent-1-en-4-ino	118.	metanoato (formiato) de etilo
85.	Nona-1,4-dien-8-ino	119.	propanoato de metilo
86.	1-etil-2metilbenceno (o-etiltolueno)	120.	etanoato de propilo
87.	1,4-dimetilbenceno (p-dimetilbenceno)	121.	ácido 3-hidroxibutanoico
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.	butano-1,4-diamina
93.	Etanol	127.	Anilina o fenilamina
94.	Pentano-2,3-diol	128.	metilpropilamina
95.	Propano-1,2,3-triol	129.	isopropilamina
96.	2-metilpropan-1-ol	130.	difenilamina
97.	3-metilbutan-1-ol	131.	dietilfenilamina
98.	2-metilbutan-2-ol	132.	benzamida
99.	2-metilhexano-2,3-diol	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