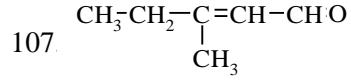
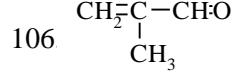
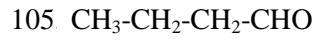
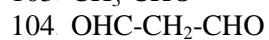
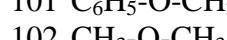
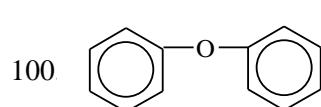
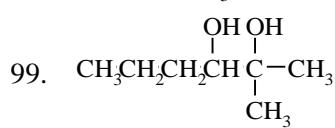
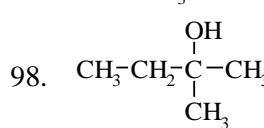
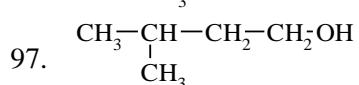
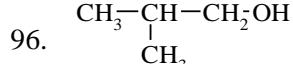
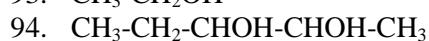
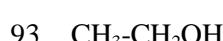
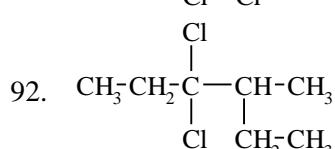
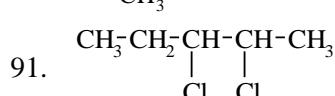
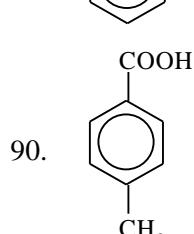
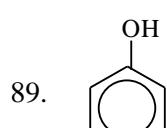
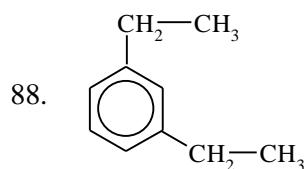
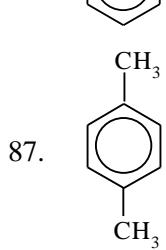
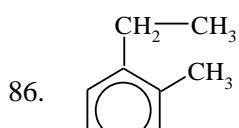
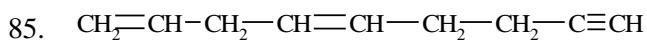
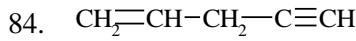
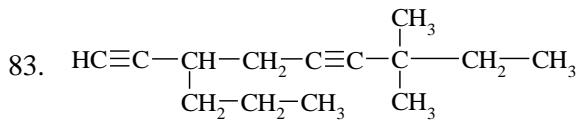
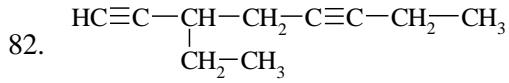
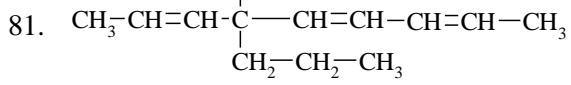
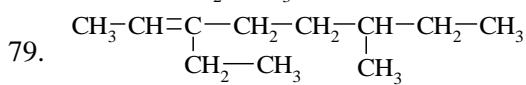
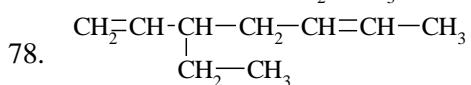
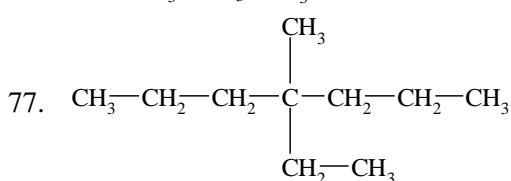
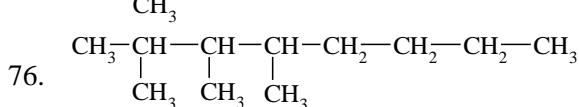
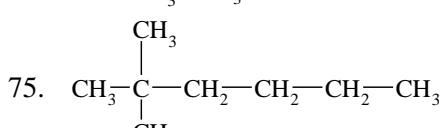
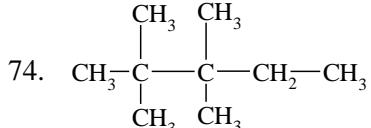
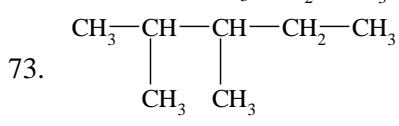
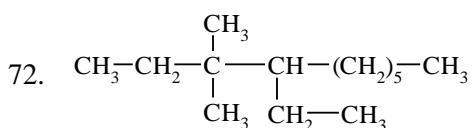
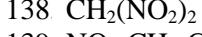
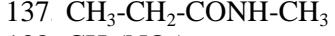
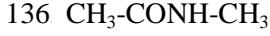
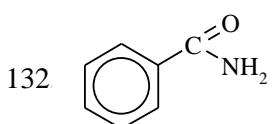
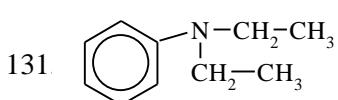
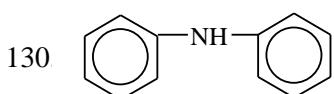
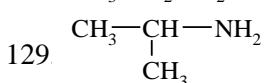
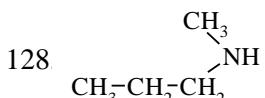
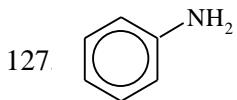
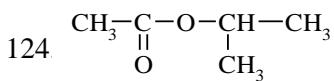
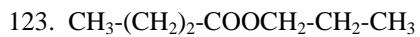
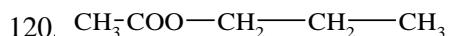
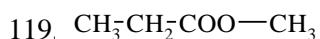
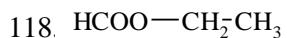
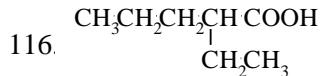
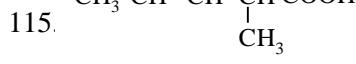
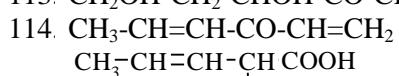
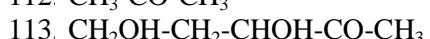
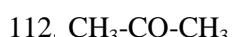
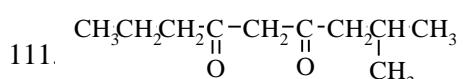
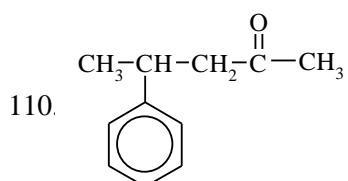
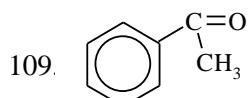
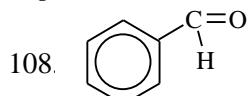


Ejercicios de formulación y nomenclatura de Química Orgánica

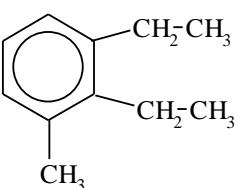
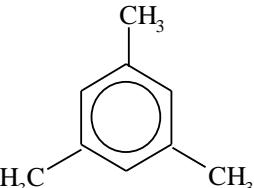
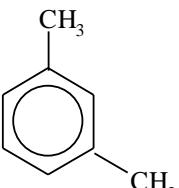
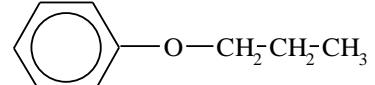
- | | |
|--|---|
| 1. metilpropano. | 37. Fenilpropiléter |
| 2. 2,3-dimetilbutano | 38. Metoxieteno, o metilviniléter. |
| 3. 5-etil-2,3,6-trimetil-4-propiloctano. | 39. 2-butenal |
| 4. 2-metilbutano o isopentano. | 40. Dimetilcetona |
| 5. 3-metilhexano. | 41. Dietilcetona o 3-pantanona |
| 6. eteno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





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. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}\equiv\text{C}—\text{CH}_2-\text{C}\equiv\text{C}—\text{C}—\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_2-\text{CH}_3 \end{array}$
15. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{CH} & -\text{C}\equiv\text{C}—\text{C}\equiv\text{C}—\text{CH} & -\text{CH}_2-\text{CH}_3 \\ | & & | \\ \text{CH}_3 & & \text{CH}_3 \end{array}$
16. $\begin{array}{c} \text{CH}_2-\text{CH} & -\text{C}\equiv\text{C}—\text{C}\equiv\text{C}—\text{CH}=\text{CH}-\text{CH}_3 \\ | & \\ \text{CH}_3-\text{CH}=\text{CH} & -\text{C}=\text{CH}-\text{C}\equiv\text{C}—\text{CH} & -\text{CH}-\text{CH}_3 \\ | & & | \\ \text{CH}_3 & & \text{CH}_3 \end{array}$
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. $\begin{array}{c} \text{CH}_2-\text{CH} & -\text{C}\equiv\text{C}—\text{CH} & -\text{CH}=\text{CH}-\text{CH} & -\text{C}\equiv\text{CH} \\ | & | & | & \\ \text{CH}_3 & \text{CH}=\text{CH}_2 & \text{CH}_3 & \end{array}$
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. $\begin{array}{c} \text{CH}_3-\text{CHOH}-\text{CH}_2\text{CH}_3 \\ \text{CH}_3-\text{O}-\text{CH}_2-\text{CH}_3 \end{array}$
32. 
33. $\begin{array}{c} \text{CH}_3-\text{C}=\text{CH}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_2-\text{CH}_2-\text{CH}_3 \end{array}$
34. $\begin{array}{c} \text{CH}_3-\text{CHOH}-\text{CH}_3 \\ \text{CH}_3-\text{O}-\text{CH}_2-\text{CH}_3 \end{array}$
35. $\text{CH}_3-\text{CHOH}-\text{CH}_3$
36. $\text{CH}_3-\text{O}-\text{CH}_2-\text{CH}_3$
37. $\begin{array}{c} \text{CH}_3-\text{C}=\text{CH}-\text{CH}_2-\text{CH}_3 \\ | \\ \text{CH}_2-\text{CH}_2-\text{CH}_3 \end{array}$
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. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{CH}_2-\text{C}-\text{CHO} \\ | \\ \text{CH}_3 \end{array}$
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. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{CH}-\text{COONa} \end{array}$
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. $\begin{array}{c} \text{CH}_3 \\ | \\ \text{CH}_3-\text{CH}-\text{CONH}_2 \end{array}$
63. $\begin{array}{c} \text{HCON}-\text{CH}_3 & \text{HC}-\text{N}-\text{CH}_3 \\ | & || \\ \text{CH}_3 & \text{O} & \text{CH}_3 \end{array}$
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. $\begin{array}{c} \text{CH}_3-\text{CH} \\ | \\ \text{CH}_3 \end{array}-\text{NH}_2$
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-metil-2-propenal
73.	2,3-dimetilpentano	107.	3-metil-2-pentenal
74.	2,2,3,3-tetrametilpentano	108.	benzaldehido
75.	2,2-dimetilhexano	109.	fenilmetylketona
76.	2,3,4-trimetiloctano	110.	4-fenil-2-pantanona
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-pantanona
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-octadiino	116.	ácido 2-etilpentanoico
83.	7,7-dimetil-3-propil-1,5-nonadiino	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-2metilbenceno (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-pantanodiol	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.	difeniletéter	134.	butanamida
101.	etilfeniletéter	135.	octanamida
102.	dimetiletéter	136.	N-metiletanamida
103.	etanal	137.	N-metilpropanamida
104.	propanodial	138.	Dinitrometano
105.	butanal	139.	1,2-dinitroetano