

1 Calcula la masa molecular de las siguientes moléculas.

CaCO₃

$$\begin{array}{r} \text{Ca} = 40 \times 1 = 40 \\ \text{C} = 12 \times 1 = 12 \\ \text{O} = 16 \times 3 = 48 \\ \hline 100 \text{ uma} \end{array}$$

b) Fe(NO₃)₃

$$\begin{array}{r} \text{Fe} = 56 \times 1 = 56 \\ \text{N} = 14 \times 3 = 42 \\ \text{O} = 16 \times 9 = 144 \\ \hline 242 \text{ uma} \end{array}$$

HCl

$$\begin{array}{r} \text{H} = 1 \times 1 = 1 \\ \text{Cl} = 35 \times 1 = 35 \\ \hline 36 \text{ uma} \end{array}$$

d) Al(OH)₃

$$\begin{array}{r} \text{Al} = 27 \times 1 = 27 \\ \text{O} = 16 \times 3 = 48 \\ \text{H} = 1 \times 3 = 3 \\ \hline 78 \text{ uma} \end{array}$$

HNO₃

$$\begin{array}{r} \text{H} = 1 \times 1 = 1 \\ \text{N} = 14 \times 1 = 14 \\ \text{O} = 16 \times 3 = 48 \\ \hline 63 \text{ uma} \end{array}$$

f) H₂SO₄

$$\begin{array}{r} \text{H} = 1 \times 2 = 2 \\ \text{S} = 32 \times 1 = 32 \\ \text{O} = 16 \times 4 = 64 \\ \hline 98 \text{ uma} \end{array}$$

113

C₆H₁₂O₆

$$\begin{array}{r} \text{C} = 12 \times 6 = 72 \\ \text{H} = 1 \times 12 = 12 \\ \text{O} = 16 \times 6 = 96 \\ \hline 180 \text{ uma} \end{array}$$

h) NaOH

$$\begin{array}{r} \text{Na} = 23 \times 1 = 23 \\ \text{O} = 16 \times 1 = 16 \\ \text{H} = 1 \times 1 = 1 \\ \hline 40 \text{ uma} \end{array}$$

MgO

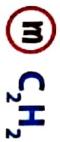
$$\begin{array}{r} \text{Mg} = 24 \times 1 = 24 \\ \text{O} = 16 \times 1 = 16 \\ \hline 40 \text{ uma} \end{array}$$

j) CuSO₄

$$\begin{array}{r} \text{Cu} = 63 \times 1 = 63 \\ \text{S} = 32 \times 1 = 32 \\ \text{O} = 16 \times 4 = 64 \\ \hline 159 \text{ uma} \end{array}$$



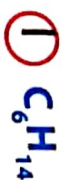
$$\begin{aligned} \text{N} &= 14 \times 1 = 14 \\ \text{H} &= 1 \times 3 = \frac{3}{17 \text{ umca}} \end{aligned}$$



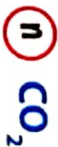
$$\begin{aligned} \text{C} &= 12 \times 2 = 24 \\ \text{H} &= 1 \times 2 = \frac{2}{26 \text{ umca}} \end{aligned}$$



$$\begin{aligned} \text{Fe} &= 56 \times 2 = 112 \\ \text{O} &= 16 \times 3 = \frac{48}{160 \text{ umca}} \end{aligned}$$



$$\begin{aligned} \text{C} &= 12 \times 6 = 72 \\ \text{H} &= 1 \times 14 = \frac{14}{86 \text{ umca}} \end{aligned}$$



$$\begin{aligned} \text{C} &= 12 \times 1 = 12 \\ \text{O} &= 16 \times 2 = \frac{32}{44 \text{ umca}} \end{aligned}$$

Cálculo de masa

Para realizar cálculos podemos usar...