

peso molecular del hidroxido de sodio (NaOH)

$$\begin{array}{l} 1 \text{ Na} \quad 1(23) = 23 \\ 1 \text{ O} \quad 1(16) = 16 \\ 1 \text{ H} \quad 1(1) = 1 \end{array} = 40 \text{ g/mol}$$

peso molecular del permanganato de potasio (KMnO₄)

$$\begin{array}{l} 1 \text{ K} \quad 1(39) = 39 \\ 1 \text{ Mn} \quad 1(55) = 55 \\ 4 \text{ O} \quad 4(16) = 64 \end{array} = 158 \text{ g/mol}$$

22/07/2021

Actividad

1. Calcular la masa molecular de las siguientes moléculas

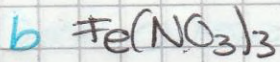
a) CaCO₃

$$\text{Ca} = 40 \text{ g} \times 1 = 40 \text{ g}$$

$$\text{C} = 12 \text{ g} \times 1 = 12 \text{ g}$$

$$\text{O} = 16 \text{ g} \times 3 = 48 \text{ g}$$

100 uma

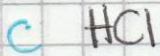


$$\text{Fe} = 56 \times 1 = 56$$

$$\text{N} = 14 \times 3 = 42$$

$$\text{O} = 16 \times 9 = 144$$

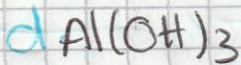
$$\underline{\hspace{1.5cm}} \\ 242 \text{ umca}$$



$$\text{H} = 1 \times 1 = 1$$

$$\text{Cl} = 35 \times 1 = 35$$

$$\underline{\hspace{1.5cm}} \\ 36 \text{ umca}$$

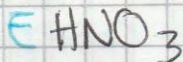


$$\text{Al} = 27 \times 1 = 27$$

$$\text{O} = 16 \times 3 = 48$$

$$\text{H} = 1 \times 3 = 3$$

$$\underline{\hspace{1.5cm}} \\ 78 \text{ umca}$$

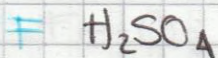


$$\text{H} = 1 \times 1 = 1$$

$$\text{N} = 14 \times 1 = 14$$

$$\text{O} = 16 \times 3 = 48$$

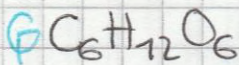
$$\underline{\hspace{1.5cm}} \\ 63 \text{ umca}$$



$H = 1 \times 2 = 2$

$S = 32 \times 1 = 32$

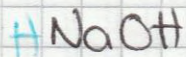
$O = 16 \times 4 = 64$
98 uma



$C = 12 \times 6 = 72$

$H = 1 \times 12 = 12$

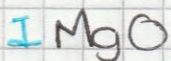
$O = 16 \times 6 = 96$
180 uma



$Na = 23 \times 1 = 23$

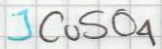
$O = 16 \times 1 = 16$

$H = 1 \times 1 = 1$
40 uma



$Mg = 24 \times 1 = 24$

$O = 16 \times 1 = 16$
40 uma

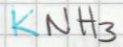


$$\text{Cu} = 63 \times 1 = 63$$

$$\text{S} = 32 \times 1 = 32$$

$$\text{O} = 16 \times 4 = 64$$

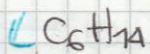
$$159 \text{ uma}$$



$$\text{N} = 14 \times 1 = 14$$

$$\text{H} = 1 \times 3 = 3$$

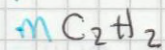
$$17 \text{ uma}$$



$$\text{C} = 12 \times 6 = 72$$

$$\text{H} = 1 \times 14 = 14$$

$$86 \text{ uma}$$



$$\text{C} = 12 \times 2 = 24$$

$$\text{H} = 1 \times 2 = 2$$

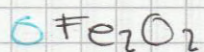
$$26 \text{ uma}$$



$$\text{C} = 12 \times 1 = 12$$

$$\text{O} = 16 \times 2 = 32$$

$$44 \text{ uma}$$



$$\text{Fe} = 56 \times 2 = 112$$

$$\text{O} = 16 \times 3 = 48$$

$$160 \text{ uma}$$