

SOLUCIÓN EJERCICIOS

1) $m_{\text{solute}} = 13 \text{ g}$
 $m_{\text{solvente}} = 97 \text{ g}$
 $m_{\text{solución}} = 110 \text{ g}$

$$13 \div 110 = 0,118$$

$$0,118 \times 100 = 11,818\%$$

2) $m_{\text{solute}} = 10 \text{ g}$
 $m_{\text{solvente}} = 113 \text{ g}$
 $m_{\text{solución}} = 123 \text{ g}$

$$10 \div 123 = 0,081 \times 100 = 8,130\%$$

3) $v_{\text{solute}} = 2,04$
 $v_{\text{solvente}} = 15 \text{ ml}$
 $v_{\text{solución}} = 17,04$

$$2,04 \div 17,04 = 0,119 \times 100 = 11,93\%$$

4) $v_{\text{solute}} = 2,09 \text{ ml}$
 $v_{\text{solvente}} = 11 \text{ ml}$
 $v_{\text{solución}} = 13,09 \text{ ml}$

$$2,09 \div 13,09 = 0,159 \times 100 = 15,966$$

$$\begin{aligned} \uparrow \\ \checkmark \text{ soluto} &= 55 \text{ gr} \\ \checkmark \text{ solvente} &= \frac{23 \text{ gr}}{294 \text{ gr}} \\ \checkmark \text{ solución} &= 294 \text{ gr} \end{aligned}$$

$$\frac{55}{294} = 0,187 \times 100 = 18,70 \%$$

$$\begin{aligned} 2) \checkmark \text{ soluto} &= 23 \text{ Kl} \\ \checkmark \text{ solvente} &= \frac{61}{8,3} \\ \checkmark \text{ solución} &= 8,3 \end{aligned}$$

$$\frac{2,3}{8,3} = 0,277 \times 100 = 27,77.$$

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