

Problema 446: Calcula la composición centesimal del NaOH

$$M_m(\text{NaOH}) = 23\text{g} + 16\text{g} + 1\text{g} = 40\text{g}$$

$$\% \text{Na} = \frac{m_{\text{Na}}}{M_m} \cdot 100 = \frac{23\text{g}}{40\text{g}} \cdot 100 = \underline{\underline{57,5\% \text{Na}}}$$

$$\% \text{O} = \frac{m_{\text{O}}}{M_m} \cdot 100 = \frac{16\text{g}}{40\text{g}} \cdot 100 = \underline{\underline{40,0\% \text{O}}}$$

$$\% \text{H} = \frac{m_{\text{H}}}{M_m} \cdot 100 = \frac{1\text{g}}{40\text{g}} \cdot 100 = \underline{\underline{2,5\% \text{H}}}$$

Comprueba que la suma de los porcentajes debe dar 100%

$$\text{Suma} = 57,5 + 40 + 2,5 = 100\%$$