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التمرين 05

$$m(C_2H_6O) = 2M(C) + 6M(H) + M(O) = 46 \text{ g.mol}^{-1} \quad -1$$

$$M(H_2O) = 2M(H) + M(O) = 18 \text{ g.mol}^{-1}$$

$$m(H_2O) = \frac{70}{100} \times m = 3,5 \text{ kg}$$

$$m(C_2H_6O) = \frac{30}{100} \times m = 1,5 \text{ kg} \quad -2$$

$$n(C_2H_6O) = \frac{m(C_2H_6O)}{M(C_2H_6O)} = \frac{1,5 \cdot 10^3}{46} = 32,6 \text{ mol} \quad -3$$

$$n(H_2O) = \frac{m(H_2O)}{M(H_2O)} = \frac{3,5 \cdot 10^3}{18} = 194,5 \text{ mol}$$

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