

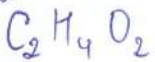
№1

$$\begin{array}{l} W(\text{NH}_3) = 20\% \\ m_{\text{сәріміні}} = 80 \text{ г} \\ m(\text{NH}_3) = ? \\ m(\text{H}_2\text{O}) = ? \end{array} \left\{ \begin{array}{l} 20\% \text{ --- } x \text{ г} \\ 100\% \text{ --- } 80 \text{ г} \\ x = \frac{20 \cdot 80}{100} = \frac{1600}{100} = 16 \text{ г} \end{array} \right.$$

$$\begin{aligned} \rightarrow m(\text{NH}_3) &= 9 + (7 \cdot 2) = 15 \\ &+ = 25 \text{ г} \\ m(\text{H}_2\text{O}) &= (11 \cdot 2) + 8 = 10 \end{aligned}$$

Қауаба: $m(\text{NH}_3) = 16 \text{ г}$
 $m(\text{H}_2\text{O}) = 64 \text{ г}$

№2



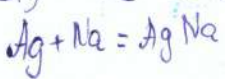
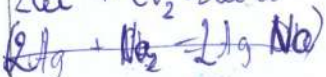
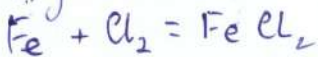
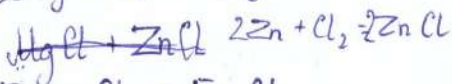
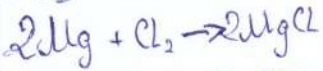
$$\begin{aligned} M_r &= M & M(\text{C}_2\text{H}_4\text{O}_2) &= (12 \cdot 2) + (1 \cdot 4) + (16 \cdot 2) = 24 + 4 + 32 = 60 \text{ (молекулярлық масса)} \\ n &= \frac{m}{M} & n &= \frac{3}{60} = 0,05 \text{ моль (заттың мөлшері)} \end{aligned}$$

$$\rightarrow Q_{\text{mol}} = \frac{q}{n(\text{C}_2\text{H}_4\text{O}_2)} = \frac{9}{0,05 \text{ моль} \cdot 60} = 3$$

Қауаба: $Q_{\text{mol}} = 3 \text{ моль}$

3)

№3



rai-him-8 066

Қатысушының шешімдерін толтыруға арналған өріс / Поле для заполнения решений участника

Парақ / Страница № _____

№ 4