

1 $\omega(NH_3) = 20\%$

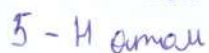
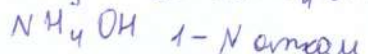
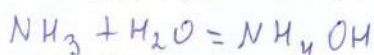
$m(NH_3)_{\text{қим}} = 80г$

$\omega = \frac{m_{\text{ер.3}}}{m_{\text{қим}}} \cdot 100\%$

$20\% = \frac{x}{80} = 100\%$

$x = 16 NH_3$

$m(H_2O) = 80 - 16 = 64$

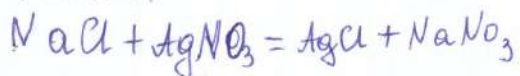


$N - 7 \bar{e}$

$H - 1 \bar{e} \cdot 5 = 5 \bar{e}$

$O - 8 \bar{e}$ Барлығы: $20 \bar{e}$

4-маңсауыма



2-маңсауыма

$m(C_2H_4O_2) = 3г$

$V = 20мл = 0,02л$

$T/K: J, C$

$\rho: J = \frac{m}{V}$

$M(C_2H_4O_2) = 12 + 12 + 4 + 32 = 60$

$V = \frac{3}{60} = 0,05 \text{ моль}$

$C = \frac{m}{V \cdot M} = \frac{3}{0,02 \cdot 60} = 2,5 \text{ моль/л}$

$$m(C_2H_4O_2) = 3 \text{ г}$$

$$V = 20 \text{ мл}$$

$$m/k : \rho, \rho$$

$$m : \rho = \frac{m}{\rho}$$

$$M(C_2H_4O_2) = 12 + 4 + 32 = 48$$

$$\rho = \frac{3}{48} = 0,0625 \text{ моль}$$

$$c = \frac{m}{V \cdot M} = \frac{3}{20 \cdot 48} = 0,003125$$

$$c = \frac{n}{V} = \frac{0,0625}{20} = 0,003125$$

$$20 \text{ мл} = 0,02 \text{ л}$$

$$c = \frac{3}{0,02 \cdot 48} = 3,125 \text{ моль/л}$$

$$c = \frac{3}{0,02} = 3,125 \text{ моль/л}$$