

Есеп №1.

Берілгені:

$$m_{\text{теор}} = 29,202.$$

$$V(\text{H}_2\text{O}) = 25,95 \text{ мл}$$

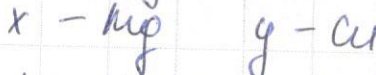
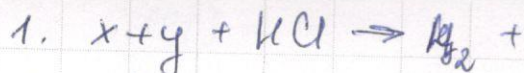
$$m(\text{баст. қоспа}) = 19,442.$$

$$m(\text{софт. қоспа}) = 28,432.$$

$$1. \omega(x) = ?$$

$$\omega(y) = ?$$

$$2. V = ?$$



Есеп №2.

Берілгені:

А - бинарий қоспаның

графит (С)

Б - масса, 1 элемент газ

В - сұзғы, бинарий тұз

Г - ұш газ

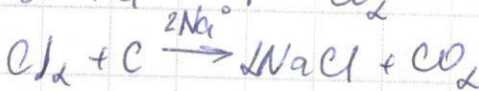
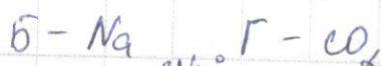
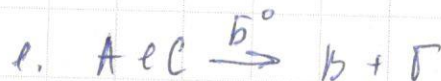
$$\omega(x) = 20,2\%$$

$$m(B) = 52$$

D - органикалық зат.

$$\omega(X) = 19,01\%$$

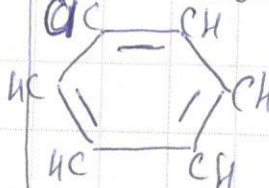
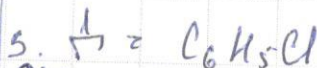
$$\omega(C) = 67,61\%$$



$$2. (n = \frac{N}{N_A})$$

$$m(\text{сұзғы}) = \text{NaCl} \cdot n \text{H}_2\text{O}$$

$$n = \frac{m(\text{сұзғы})}{\text{NaCl} \cdot \text{H}_2\text{O}} = \frac{9,04224}{1,8722}$$



$$1) A; B; B; G; A - ?$$

$$2) n - ?$$

$$3) A \text{ сұзғышты} - ?$$

Есеп №3.

Берілгені:

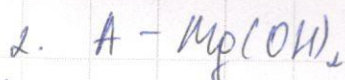
$\text{CrCl}_2 \cdot 6\text{H}_2\text{O}$ - биморфит.

A - анион

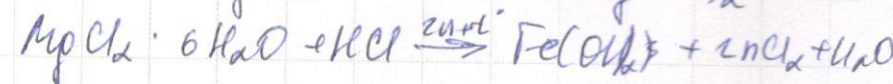
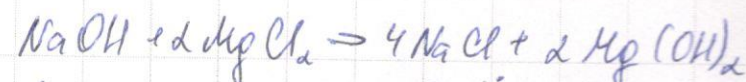
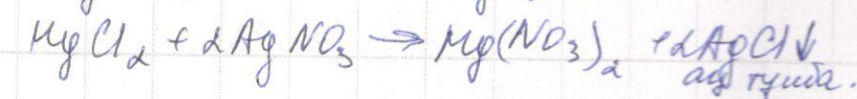
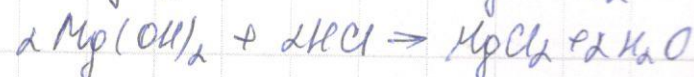
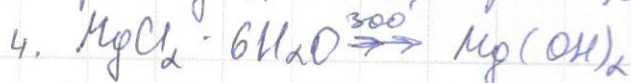
$\rho(\text{HCl}) \approx 50 \text{ мм}$

1. $\omega(\text{A})$ - ?
2. формула A
3. pH - ?
4. теңдеулер.

1. $\omega(\text{Cl}) =$



3. $\text{pH}(\text{CrCl}_2 \cdot 6\text{H}_2\text{O})$ 3. $\text{pH} \approx \frac{0,1 \text{ M}}{50 \text{ мм}} \approx 0,002 \text{ M/мм}$



Есеп №4.

1. C_4H_{10} - бутан.

