

N1

$$m(\text{H}_2) = 22,30\text{г.}$$

$$V(24,64\text{л})$$

$$m(x) =$$

$$m(\text{H}_2) = \left. \begin{array}{l} \\ \end{array} \right\} \text{H}_2 \text{ және } \text{H}_2\text{O}$$

$$22,30\text{г} = 100\%$$

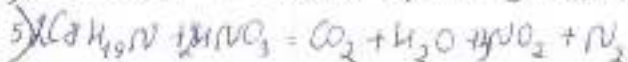
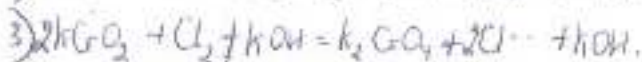
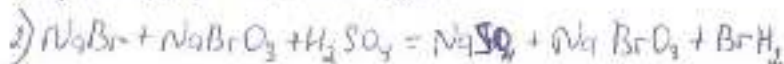
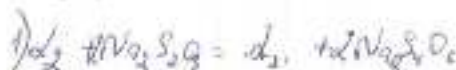
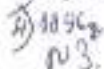
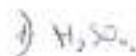
$$x = 1,25x$$

$$100x = 28,5$$

$$2x = 20,5 \quad x = 10,25$$

$$22,80 = 10,25 = 12,55 \quad O = 6,16\text{г.}$$

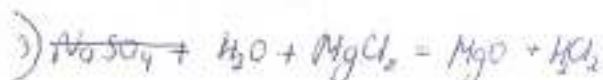
N2



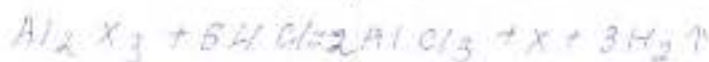
N4.

$$1) m = 1,37\text{г}$$

$$2) \omega = 53\%$$

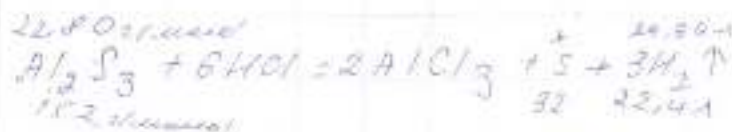


№1 - Заттар қоспасы



$$Mr(Al) = 27 \quad 27 \cdot 1,25 = 33,75$$

$$Mr(Al_2) = 54 \quad 5 \cdot 1,25 = 62,5$$



$$Mr(S) = 32 \quad 22,80 - X \quad X = \frac{22,80 - 32}{152} = 46,7\%$$

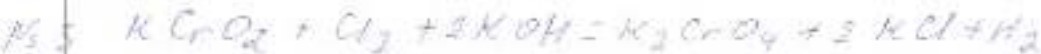
$$Mr(Al_2S_3) = 152 \quad 152 - 32$$

$$W = \frac{m_{\text{мен}}}{M_{\text{мен}}} \cdot 100\% = \frac{46,7}{32} \cdot 100 = 145\%$$



$$Mr(K_2S) = 110 \cdot 3 = 330$$

Егер №3. химиялық реакциялар.



Егер №2. Белгісіз заттар

X -

Тапсырма 1.

Білімі:

Темісі (Al?) - 22,10г

HCl

V(H<sub>2</sub>) - 24,64 л

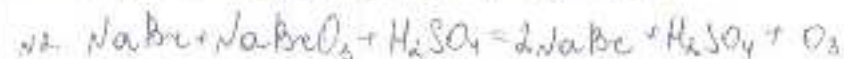
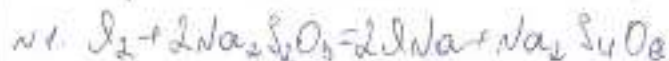
н.у.

металл? - ?

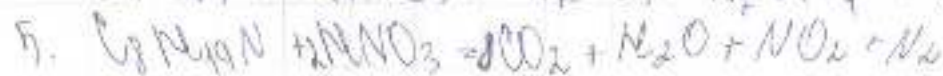
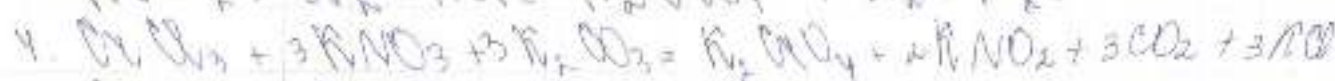
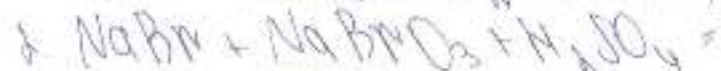
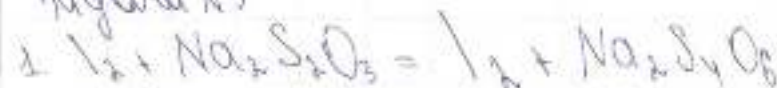
Решение:



Тапсырма 3.



Тапсырма №3



Тапсырма №1

Қағаз:

Резина:

$$m(\text{Al}) = 28,8 \text{ г}$$

$$V(\text{H}_2) = 14,64 \text{ л}$$

металл? w? V?