

Задача 1.

$$\frac{M}{m} = \frac{24,87 \text{ г/моль}}{22,802} = 1,08$$

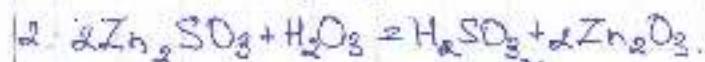
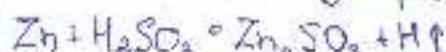
1. Невзвестный метал - Mg. $\omega(Mg) = 1,08 \text{ моль}$. $(\omega(Mg)) = \frac{m}{M} = \frac{m}{24,802}$

2. KOH = $0,25 \cdot 1,185 = 7,625 \text{ г/моль}$. $V(KOH) = 7,625 : 1000 = 0,0076 \text{ л.}$

1.1	1.2
$\omega(Mg) = 1,08 \text{ моль}$	$V(KOH) = 0,0076 \text{ л.}$

Задача 2.

1. Метал X = Zn сульфид A = Zn_2S_3

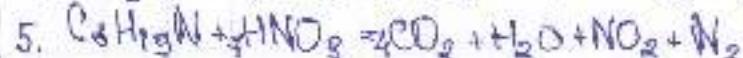
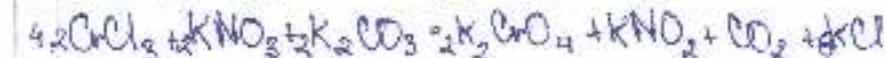
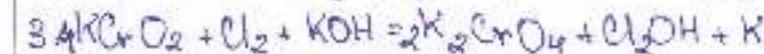
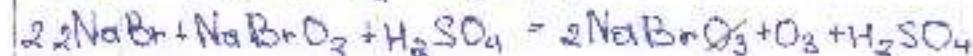
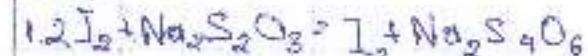


3. $M_{X_{\text{вещ}}} = 0,003 ; 0,001 = 3\% \text{ и } 1\%$.

4. $20 : 1,2 = 14 \text{ моль} \quad 14 \cdot 14 = 19302$.

2.1	2.2	2.3.	2.4.
$X = Zn$	-	$3\% \text{ и } 1\%$	$14 \text{ моль} \Rightarrow 19302$

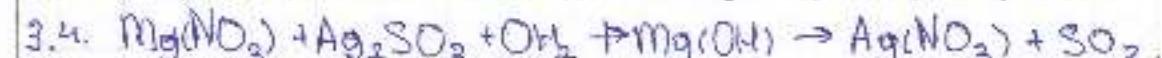
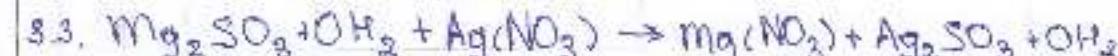
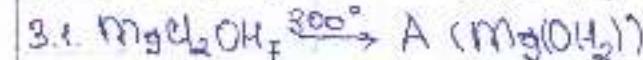
Задача 3.



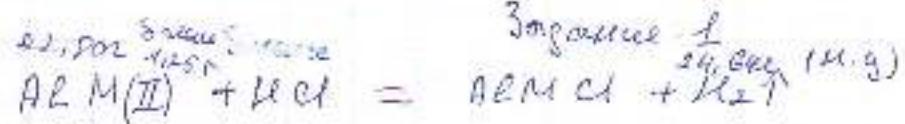
Задача 4.

1. $m = M \cdot n \quad m = 65,8 + 11,4 = 77,2 \text{ г} = 0,0772 \text{ кг}$

2. $\omega(Cl) = \frac{M}{m} = \frac{35,45}{0,0772} = 55\%$.



Формула 6-6а $A = Ag(NO_3)$



Жоюш

M-?

 $w(\text{M})$ сине - ?

$$M = 22 \cdot 80 \cdot 1,25 = 2850$$

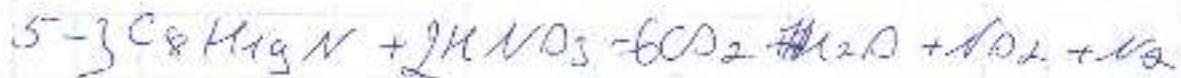
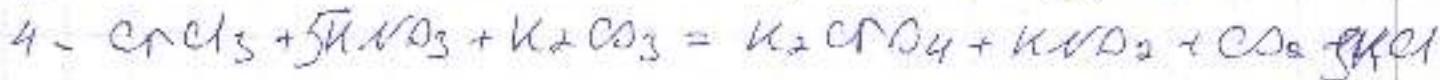
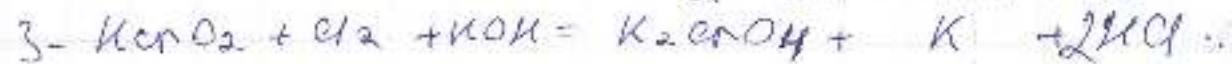
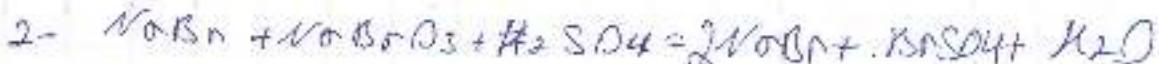
$$\begin{array}{r} 22 \cdot 80 \\ \times 1,25 \\ \hline 1100 \\ + 450 \\ \hline 2850 \end{array}$$

$$w(\text{Al}) = \frac{m_{\text{Al}}}{m_{\text{записи}}} = \frac{2850}{22,00} = 18,10$$

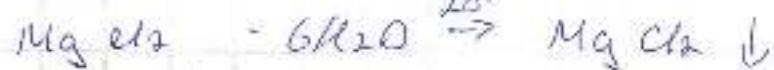
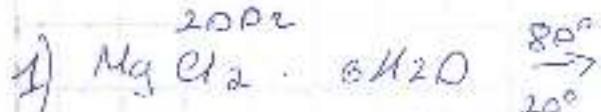
$$= \frac{18,10}{100\%} = 18\%$$

Ответ: w висе 18%.

Задание 3



Задание 4.



$$m(\text{MgCl}_2) = 54,8 \cdot 2 = 109,6 \text{ г (расчитано)}$$

$$2) w(\text{Cl}) = 50\%$$

Задание 2

1) Жиңисе көшиң (он просилаш көзбен)
оксидинг K₂S.

