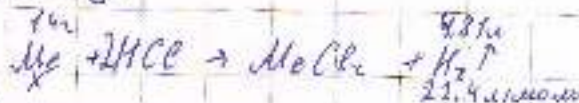


1. Берілгені:
 $m(\text{Fe(II), X}) = 27\text{г}$
 $V(\text{H}_2) = 4,8\text{л}$
 $m(\text{бастапқы қоспа}) = 13\text{г}$
 $m(\text{соңғы қоспа}) = 19\text{г}$

1. $w(\text{Mg}) = ?$
 $w(\text{X}) = ?$

Шешуі:



$$m(\text{Mg}) = 27\text{г} - 13\text{г} = 14\text{г}$$

$$n(\text{H}_2) = \frac{V(\text{H}_2) \cdot \rho(\text{H}_2)}{M(\text{H}_2)} = \frac{22,4 \text{ л} \cdot 0,09 \text{ г/л}}{2 \text{ г/моль}} = 1 \text{ моль}$$



$$w(\text{Zn}) = \frac{14\text{г}}{27\text{г}} \times 100\% = 51,9\%$$

$$w(\text{X}) = \frac{13\text{г}}{27\text{г}} \times 100\% = 48,1\%$$

11,519%; 48,1%
 Жауабы

2. Берілгені:

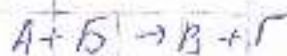
A - бинария қосынды

B - газ + элементтер газ

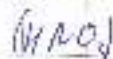
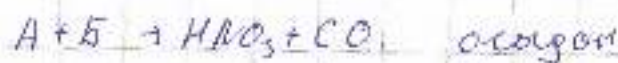
B - газ

Г - ұяқ газ

Шешуі:



B - газ (HNO_3) - деп алсақ реакция:



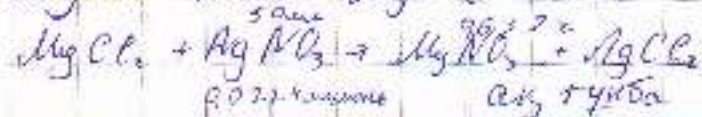
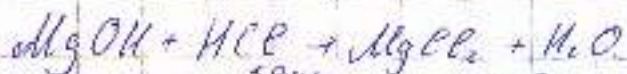
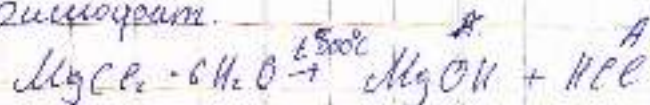
$$w(\text{N}) = \frac{M(\text{N})}{M(\text{HNO}_3)} = \frac{14 \text{ г/моль}}{63 \text{ г/моль}} \times 100\% = 22,2\%$$

3. Берілгені:

$MgCl_2 \cdot 6H_2O$ - мағлұп
хлориді гексогидраты

А-заты

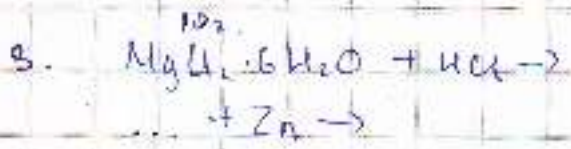
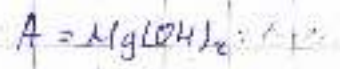
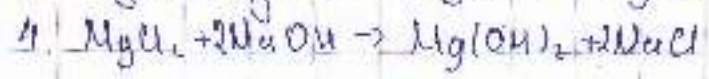
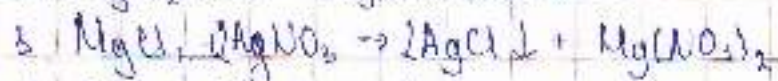
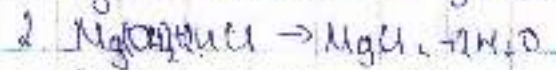
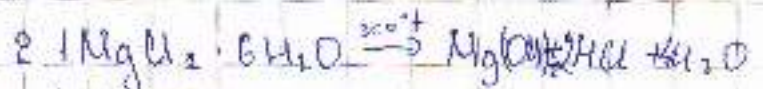
Биццофрат.

1. Mg және HCl

$$w(HCl) = \frac{m(HCl)}{M(HCl)} = \frac{7.315}{36.5} \times 100\% = 20.01\%$$

03

$$1) \omega(\text{Cl}) = \frac{m_{\text{Cl}}}{m_{\text{AgCl}}} \cdot 100\% = \frac{35,5}{108 + 35,5} \cdot 100 = \frac{35,5}{143,5} \cdot 100 \approx 24,74\%$$



11

