

Химия

$$① [Me(n)_{ik}] = 2 \text{ г/л}$$

выделилось $(H) (10^4, 1 \text{ г/л}) = 4 \text{ г/л}$

$[Me(n)_{ik}]_{\text{м}} = \text{уменьшилось на } 1 \text{ г/л}$

с жаром. $v(0) [Me(n)_{ik}]_{\text{м}} = \text{увеличилось на } 1 \text{ г/л}$

$$② A + B = \text{вещь} + P(r)$$

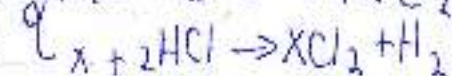
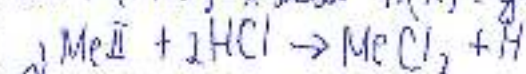
$$m(X) (B) = 20.2\%$$

Всё растворить в H_2O = кинет. среда

↓
(расшифровка) $\text{соед.} = 9.04.2 \quad (B \cdot H_2O)$

Тыңда

Есеп №1 Заңдар қоспасы

Берілгені: $m(\text{MeII}) + m(\text{H}) = 272$ $V(\text{H}_2) = 4,81$ Ш: $n(\text{MeII}) = x \text{ моль}$ $n(\text{H}) = y \text{ моль}$ 

$$n(\text{H}_2) = \frac{4,81}{22,41} = 0,21 \text{ моль}$$

Есеп №2 Белгісіз заттар.

Шешіс

N1.

Шарттар:

$$m(\text{Me}_2 \text{ не r}) = 27 \text{ r}$$

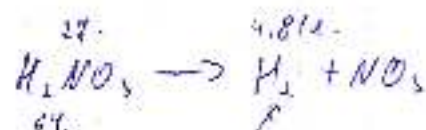
$$V(\text{H}) = 4,812 \text{ л}$$

көпінкелінгс:

13г азотсуд.

19,20г өрмтт.

Шешіс:



$$M(\text{H}_2\text{NO}_3) = 2 + 14 + 16 \cdot 3 = 64 \text{ r}$$

$$x = \frac{64 \cdot 4,81}{27} = \frac{307,8 \approx 308}{27} \approx 11,27 \rightarrow 4,812$$

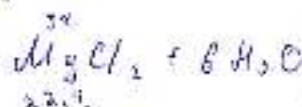
$$64 \rightarrow x$$

$$\text{H}_2 = \frac{2}{22,4} = 0,089 \text{ моль}$$

$$\text{NO}_3 = \frac{61}{22,4} = 2,7 \text{ моль}$$

H

N3.

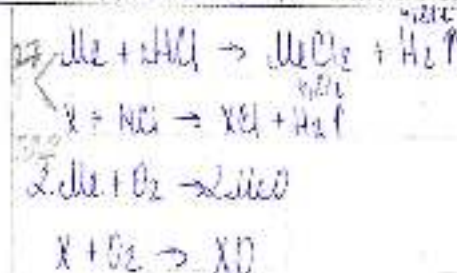


$$M(\text{HgCl}_2) = 200 + 35,5 \cdot 2 = 271 \text{ r}$$

$$\frac{90}{22,4} = 4,1$$

(4)

№1
 $m(\text{Me}; \text{X}) = 27,2$
 $v(\text{H}_2) = 4,81 \text{ л}$
 $m(\text{Me}; \text{X}) = 142$
 $m(\text{Me}; \text{X}) = 39,72$



$$\begin{aligned} \text{Me} + 2\text{HCl} &\rightarrow \text{MeCl}_2 + \text{H}_2 \uparrow \\ n &= 1 \text{ моль} \\ M &= X \\ m &= X \\ \frac{14}{X} &= \frac{4,81}{22,4} \Rightarrow X = \frac{14 \cdot 22,4}{4,81} = 65 (\text{Zn}) \end{aligned}$$

м/л: Me - ?
 X - ?
 $v(\text{H}_2; \text{X}) = ?$

Химия

№1

Дано

$H_2 - 4,81 \text{ л}$

$P_2 - 104 \text{ кПа}$

$m_3 - 19,20 \text{ г}$

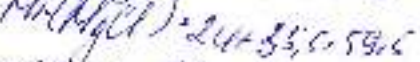
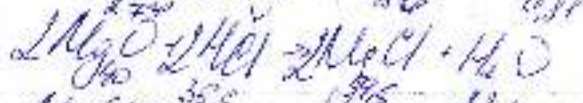
$M_{\text{HCl}} - 27,5 \text{ г/моль}$

$\eta - ?$

$V - ?$

$\rho - 1,485$

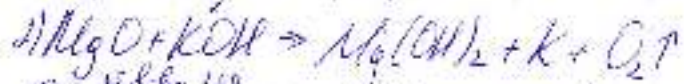
Решение



$$\eta(\text{MgO}) = \frac{24}{56} = 0,4285$$

$$\eta(\text{MgCl}_2) = \frac{95,5}{190} = 0,5026$$

$$\frac{x}{236,5} = \frac{13}{259,5} = \frac{236,5 \cdot 13}{259,5} = 7,97$$



$$\rho = \frac{m}{V}; \eta = \frac{m}{M_n}; W = \rho \cdot V$$

№2

A - Fe

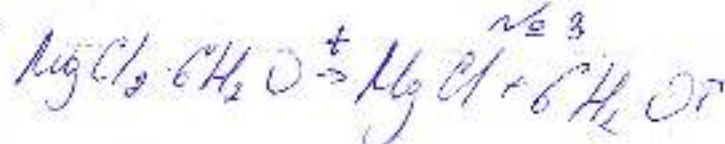
B - KOH

C - K

D - CO₂

Химия

№ 3



№ 4

