

$$\begin{array}{r|rr|rr|rr|rr}
 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
 8 & 10 & 8 & 6 & 10 & 1 & 1 & 4 & 2 & 5 \\
 \hline
 & & & & & & & & \text{55} \\
 & & & & & & & & \text{65}
 \end{array}$$

$\text{N}_{1.2.}$

$$6N(O) = N(C)$$

$$4N(O) = N(H) + N(Cl)$$

$$N(H) = N(Cl) \text{ по условию}$$

$$\Rightarrow 4N(O) = 2N(H)$$

$$2N(O) = N(H)$$

$$22 = N(Cl) + N(O) + N(Cl) + N(C)$$

$$22 = 6N(O) + N(O) + 2N(O)$$

$$22 = 9N(O)$$

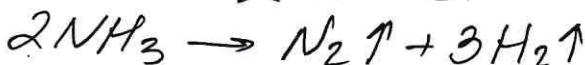
$$N(O) = 2 \quad N(C) = 12 \quad N(Cl) = 4 \quad N(H) = 4$$



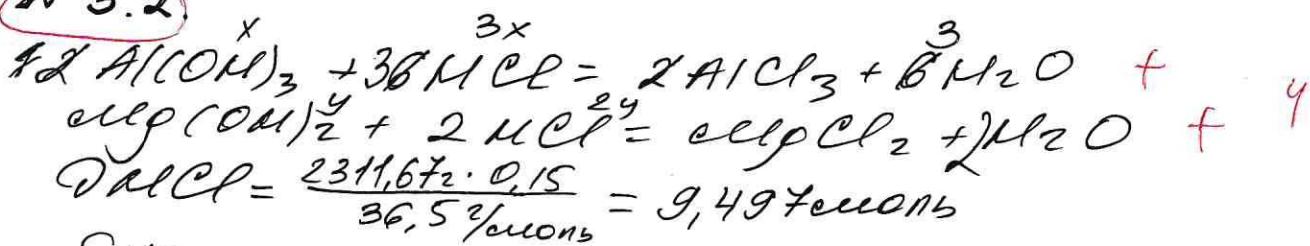
$\text{N}_{2.2.}$



10



$\text{N}_{3.2.}$



$$\begin{cases} 78x + 58y = 262 \\ 3x + 2y = 9,497 \end{cases}$$

СЕЧЕНОВСКИЙ
УНИВЕРСИТЕТ

8 1 0 1 2

$$x = 0,445 \text{ моль} \quad 1,49 \text{ моль}$$

$$y = 2,593 \text{ моль}$$

$$m Al(OH)_3 = 1,49 \text{ моль} \cdot 78 \text{ г/моль} = 116,22 \text{ г}$$

$$m Mg(OH)_2 = 145,454 \text{ г}$$

$$\omega_{Al(OH)_3} = 44,53\%$$

$$\omega_{Mg(OH)_2} = 55,63\% \quad (F)$$

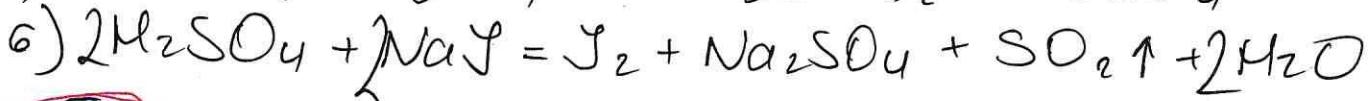
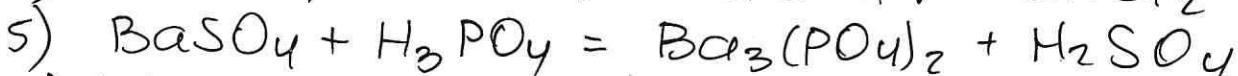
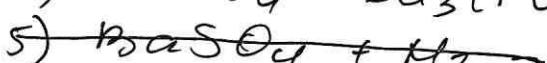
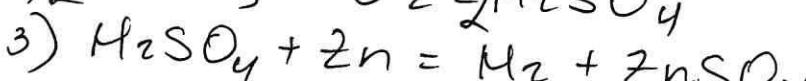
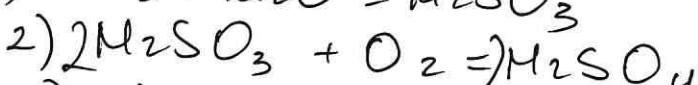
8

№ 4.2.

$$M(H_3PO_4) = 98 \text{ г/моль} \quad M(MgSO_4) = 98 \text{ г/моль}$$



№ 5.2.



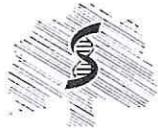
№ 6.2.

Пусть сел элемент X - x г/моль, тогда

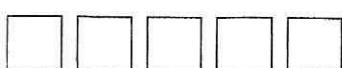
$$\frac{ccl X_3P_2}{ccl XSO_4} = \frac{3x + 62}{x + 96} = 1,967$$

$$x = 24 \text{ г/моль} \Rightarrow (elg) 2$$

сторонки на стр. 4



СЕЧЕНОВСКИЙ
УНИВЕРСИТЕТ

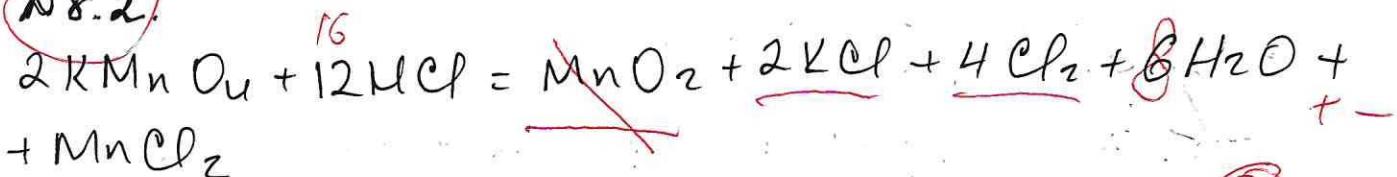


ЧИСТОВИК

Лист № 3

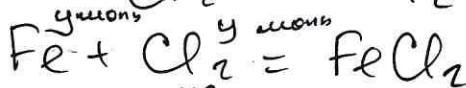
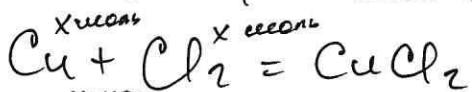
ВСОШ Химия

№ 8.2.



$$\Rightarrow \text{ДМnO}_4 = \frac{3,16}{158 \text{ моль}} = 0,02 \text{ моль} \Rightarrow + \quad (3)$$

$$\Rightarrow \text{ДCl}_2 = 0,04 \text{ моль}$$



$$\begin{cases} 64x + 71y = 3 \\ x + 3y = 0,04 \end{cases} / \cdot 64$$

$$8y = 0,44$$

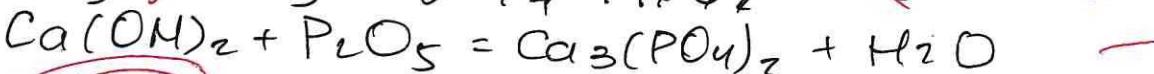
$$y = 0,0055 \text{ моль}$$

$$x = 0,035 \text{ моль} \quad 0,0235 \text{ моль}$$

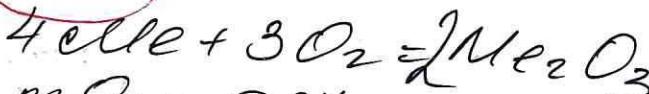
$$m_{\text{Cu}} = 1,504 \text{ г}$$

$$W(\text{Cu}) = 50,13\% \quad (1)$$

№ 9.2.



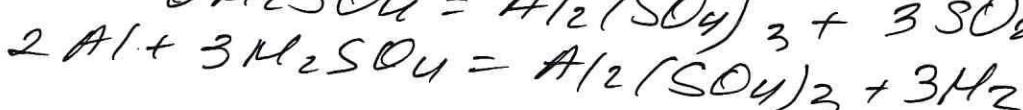
№ 10.2.



$$m_{\text{O}_2} = 5,67 \text{ г} - 3 \text{ г} = 2,67 \text{ г}$$

$$\text{Д(O}_2\text{)} = 0,0834 \text{ моль} \Rightarrow \text{ДMe} = 0,11125 \text{ моль}$$

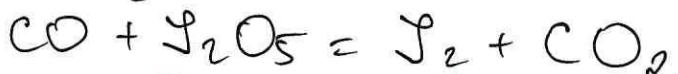
$$\text{сек(аде)} = 27 \text{ г/моль} \Rightarrow (1)$$

СЕЧЕНОВСКИЙ
УНИВЕРСИТЕТ

8 X O T D

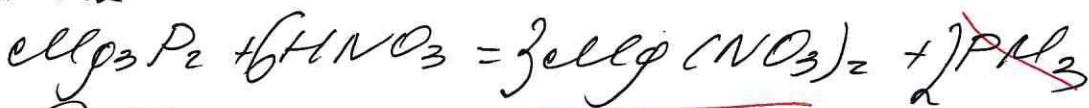


N 4.2.



(2)

N 6.2



$$\Rightarrow 2PM_3 = 0,2 \text{ моль}$$

(1)

$$2PM_3 = 6,82 \quad (-)$$



СЕЧЕНОВСКИЙ
УНИВЕРСИТЕТ

