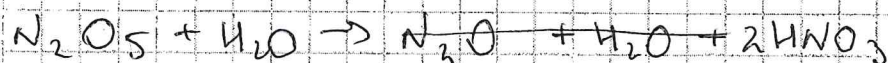
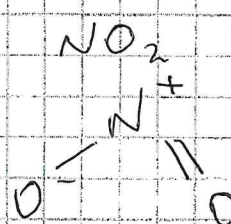
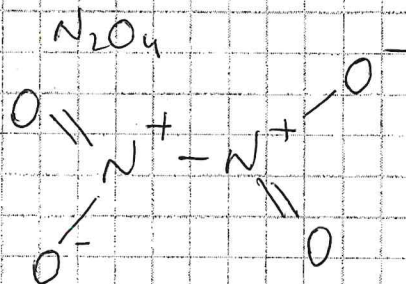
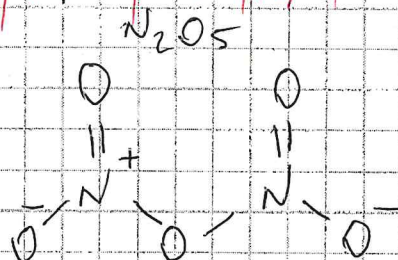
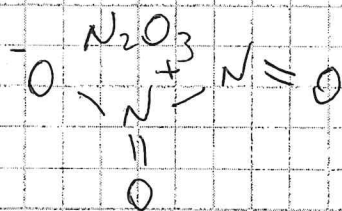


3 aganne 9-1

X - N₂ - azot

$$A-N_2O_3$$
$$B - N_2O_5$$
$$C-N_2O_4$$

D-NO₂



Dano

Pennerne

$$n(N_2O_5) = 21,62$$

$\lambda_{p-na}(\text{NaOH}) = 86 \text{ nm}$

$$N_{p.6} (NaOH) = 16\% =$$

$$= 0.16$$

$$p - n_a = 1,1757$$

$$\sim (\text{NaNO}_3) - ?$$



$$m_{p-na}(NaOH) = \sqrt{s} \cdot \rho = 86 \cdot 1,1751 = 101,052$$

$$m.p.b(NaOH) = 101,05 \cdot 0,16 = 16,1682$$

$$D = \frac{m}{M} = \frac{16,168}{23+16+1} = \frac{16,16}{40} = 0,4 \text{ mola}$$

$$\frac{\partial (NaOH)}{\partial (NaOH)_{\text{гр}}} = \frac{0,4}{2} = 0,202$$

$$D(N_2O_5) = \frac{21,6}{108} = 0,2 \text{ - waga procentowa}$$

$$\frac{\partial(N_{2O5})}{\partial(N_{2O5})_{\text{гр.}}} \approx \frac{0,2}{1} = 0,2 - \text{убавление}$$

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Шифр			043001

Задание 9-1

3. ✗

$$x = 0,4 \text{ моль} = n(\text{NaNO}_3)$$

$$D = \frac{m}{M}; m = D \cdot M = 0,4 \cdot 85 = 34$$

$$\omega(\text{NaNO}_3) = \frac{m(\text{NaNO}_3)}{m_{\text{пр-ра}}(\text{NaOH}) + m(\text{H}_2\text{O}_5)} =$$

$$= \frac{34}{101,05 + 21,6} = 0,27 \text{ или } 27\%$$

Ответ: 27%.

2

Задание 9-2

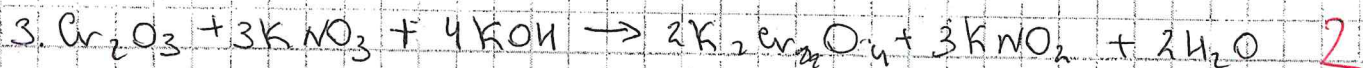
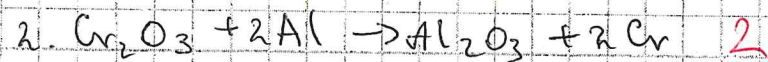
$$\begin{array}{r} 8 - 5 = 3 \\ - \quad + \\ 6 \quad \quad \quad 4 \quad 10 - 4 = 6 \\ = \quad = \quad - \quad + \\ 2 \quad 14 \quad 7 + 4 = 11 \quad 5 \\ - \quad = \quad = \\ 7 - 1 = 6 \quad 11 \\ = \quad + \\ 7 \quad 4 + 6 = 10 \\ = \quad + \quad - \\ 7 - 2 = 5 \quad 3 \quad 1 \\ = \quad = \\ 9 \quad 9 \end{array}$$

17

Задание 9-3

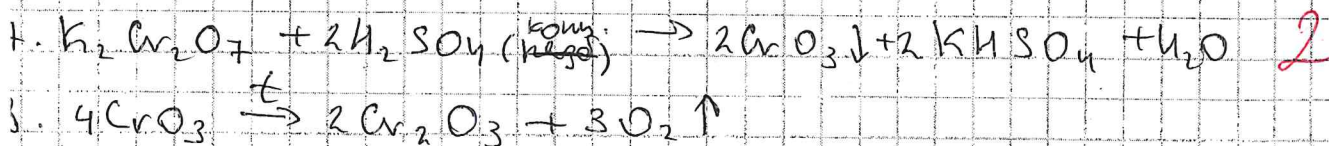
A = Cr ; B = Cr₂O₃ ; C = K₂CrO₄ ; D = K₂Cr₂O₇ ; E = CrO₃ ; 5

F = Cr₂O₃



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Шифр			

Задача 9-3



Дано:

Решение:

$$w(Cr) = 68,42\%$$

$$w(O) = 31,58\%$$

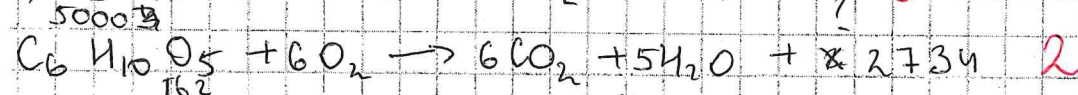
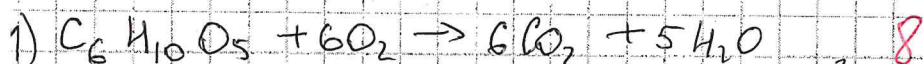


$$x : y = \frac{w(Cr)}{Ar(Cr)} : \frac{w(O)}{Ar(O)} = \frac{68,42}{52} : \frac{31,58}{16} = 1,31 : 1,97 = 1 : 2$$



≠

Задача 9-4



$$\Delta H_p = (6\Delta H(CO_2) + 5\Delta H(H_2O)) - \Delta H(C_6H_{10}O_5)$$

$$\Delta H(C_6H_{10}O_5) = \frac{m}{M} = \frac{5000}{12 \cdot 6 + 10 + 16 \cdot 5} = \frac{5000}{162} = 30,8 \text{ моль}$$

$$\Delta H_p = (6 \cdot (-394) + 5 \cdot (-286)) - (-1060) = ((-2364) + (-1430)) + 1060 = -3794 + 1060 = -2734$$

$$x = 5000 \cdot 2734 = 13670000 \quad x = \frac{13670000}{162} = 84382,716 \text{ Дж}$$

Задача 9-5

