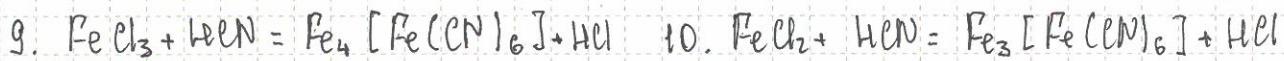
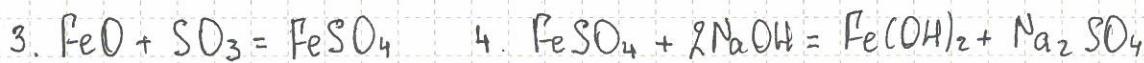
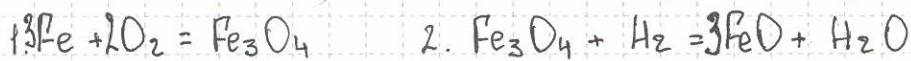


Бланк ответов

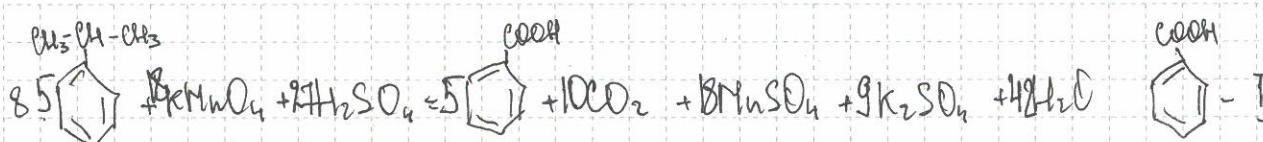
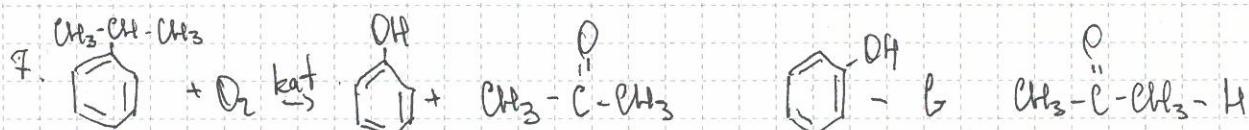
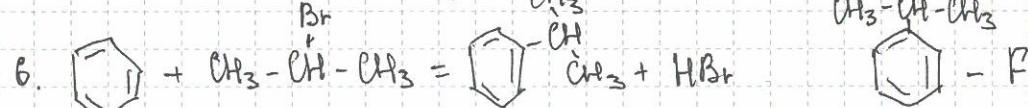
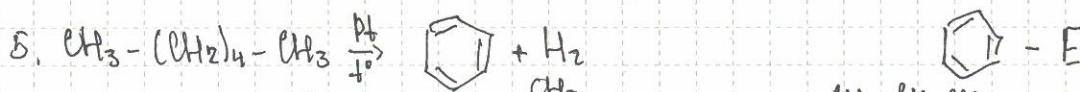
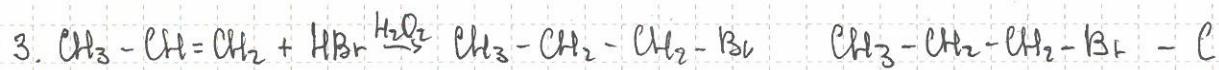
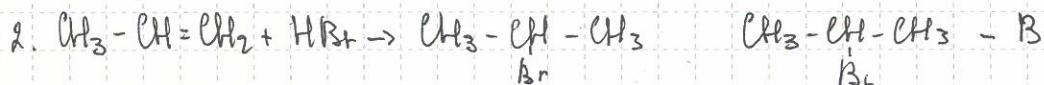
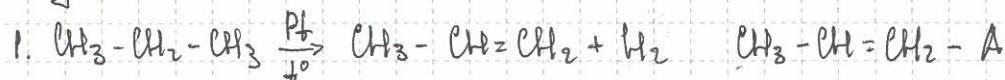
Шифр

X	I	O	-	O	2
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Задание 1.



Задание 3.



Бланк ответов

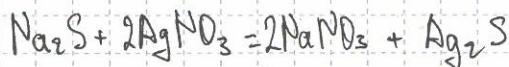
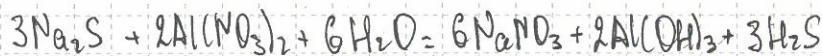
Шифр

X	1	0	-	0	2
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Задание 4.

$$m(Na_2S) : m(Al(NO_3)_3) : m(H_2O) = 5,2 : 7,1 : 60$$

Реакции:



Расстворимая соль - $NaNO_3$. Пусть $n(NaNO_3)$: $m(NaNO_3) = 680 \cdot 0,1 = 68,2$

$$n(NaNO_3) = \frac{68,2}{85\%_{\text{масс}}} = 0,8 \text{ моль}$$

$$\text{Тусмбр тараб} - x : m(Na_2S) = 5,2x \quad n(Na_2S) = \frac{5,2x}{78} = 0,067x$$

$$m(Al(NO_3)_3) = 7,1x \quad n(Al(NO_3)_3) = \frac{7,1x}{213} = 0,033x$$

$$m(H_2O) = 60x$$

$$\text{Пусть } n(NaNO_3) \text{ по 1-му: } n(NaNO_3) = 3n(Al(NO_3)_3) = 0,1x \quad n(Na_2S) = 0,05x$$

$$Al(NO_3)_3 \text{ в негостарке. } n(Na_2S)_{\text{окт}} = 0,067 - 0,05x = 0,017x$$

$$\text{Пусть } n(NaNO_3) \text{ по 2-му: } n(NaNO_3) = 2n(Na_2S) = 0,034x$$

$$\text{Составляем уравнение: } 0,034x + 0,1x = 0,8 \quad 0,134x = 0,8 \quad x = 6,1$$

$$m(Na_2S) + m(Al(NO_3)_3) + m(H_2O) = 31,9 + 42,6 + 360 = 433,8 \text{ г}$$

$$m_{\text{п-ра}}(AgNO_3) = 680 - 433,8 = 246,2 \text{ г} \quad n(AgNO_3) = 2n(Na_2S) = 0,034 \cdot 6 = 0,204$$

$$m(AgNO_3) = 0,204 \cdot 180 = 36,72 \text{ г}$$

$$\omega(AgNO_3) = \frac{36,72}{246,2} = 14,9 \%$$

$$\text{Ошибки: } \omega(AgNO_3) = 14,9 \%$$