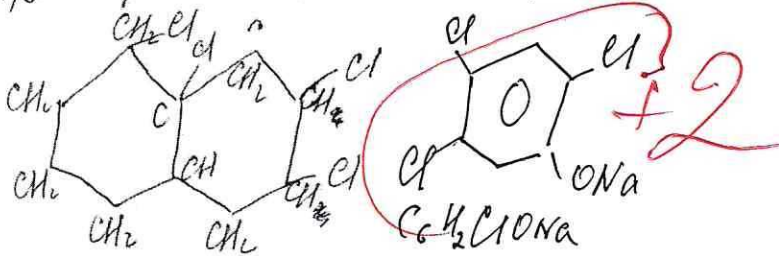


№ 1.4

А) 2, 5, 7, 8 - тетрахлордифенил-пара-диоксин

В) 2, 4, 5 - трихлорбензоат натрия



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ML

№ 2.4

Дано:

$m(X) = 11,12$

$V(CO_2) = 14,72 \text{ л}$

$t = 22^\circ \text{C}$

$T = 0,22$

$99,9 \text{ кПа}$

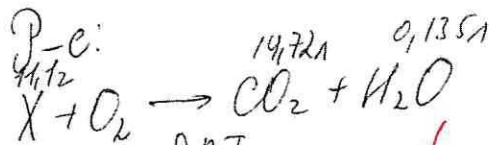
$V(H_2O) = 13,5 \text{ мл}$

$V(KOH) = 200 \text{ мл}$

$c(KOH) = 1,25 \text{ М}$

$w(K) = 58,73\%$

$w(X) = ?$

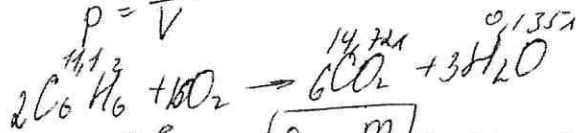


$$pV = \nu RT$$

$$p = \frac{\nu RT}{V}$$

$$p = \frac{2,15 \cdot 8,31 \cdot 10^{-23} \cdot 273 \text{ К}}{14,72 \text{ л}} \approx 4985,3$$

$$p = \frac{m}{V}$$



$$w = \frac{m_s}{m_p}$$

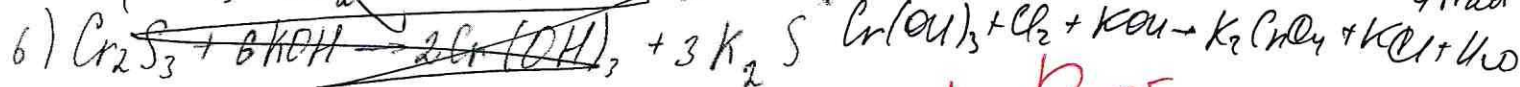
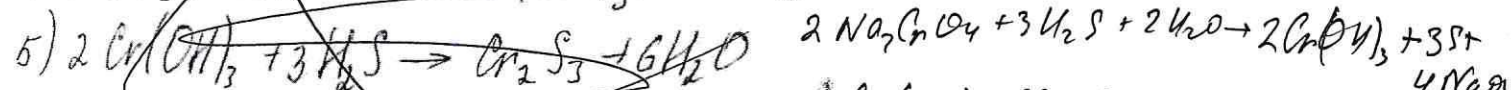
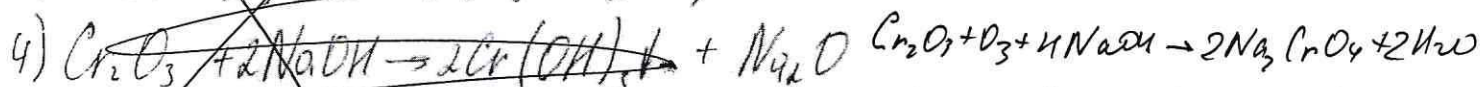
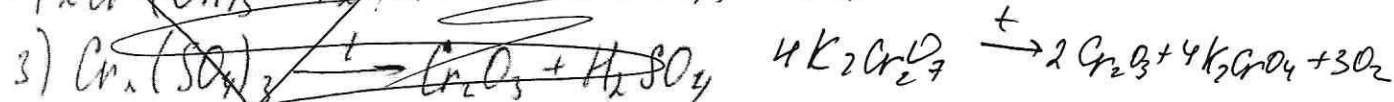
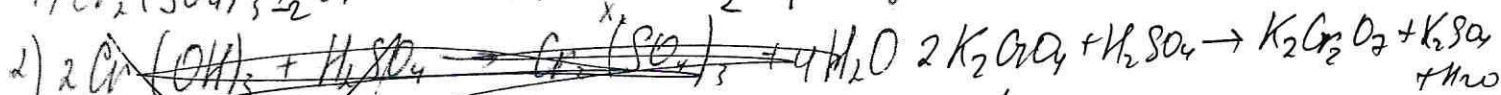
$$\left[\rho = \frac{m}{M} \right] = m = 2,5 \cdot 78 = 195$$

$$w = \frac{195}{11,1} = 17,5\%$$

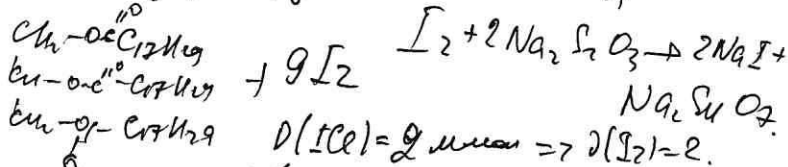
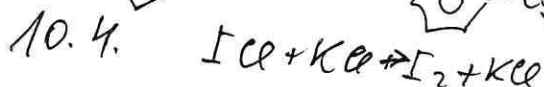
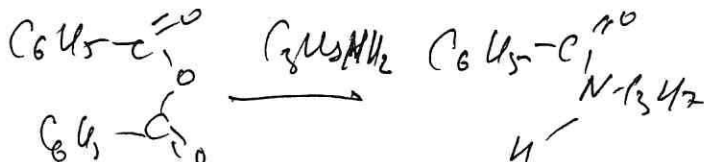
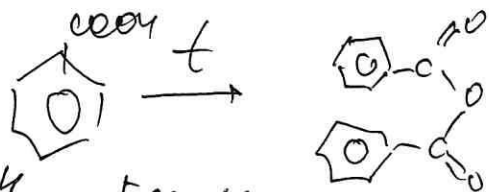
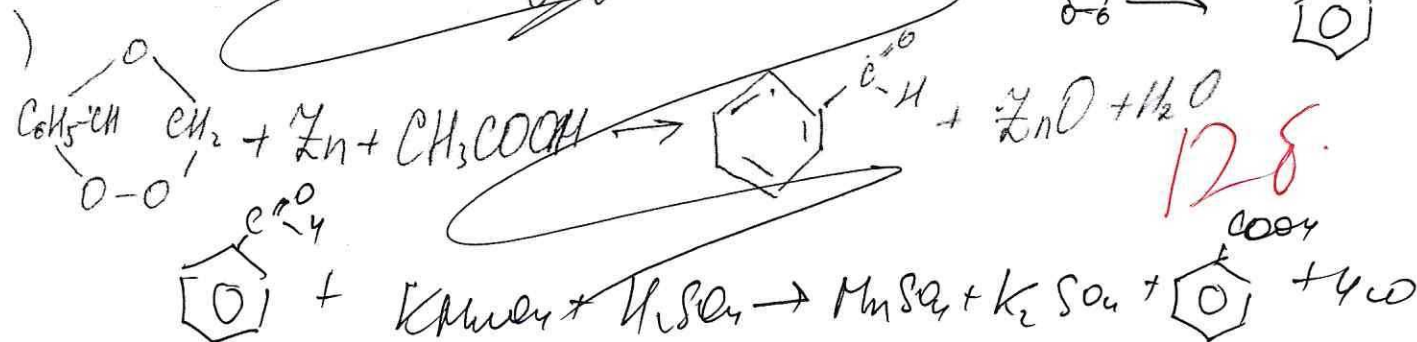
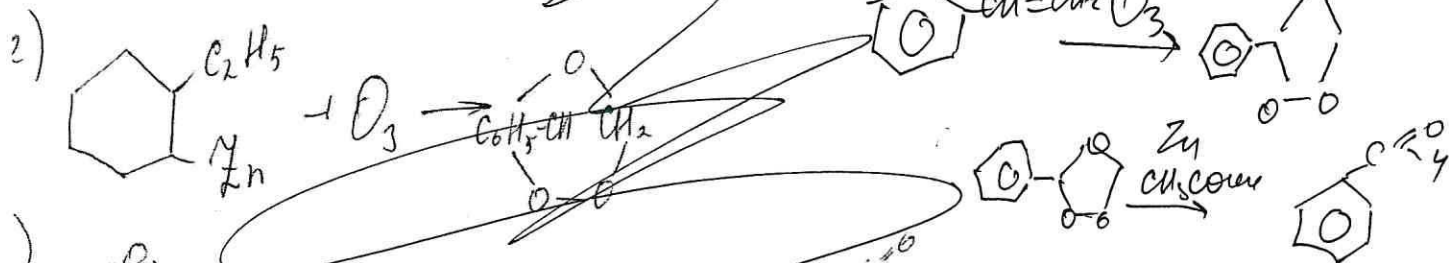
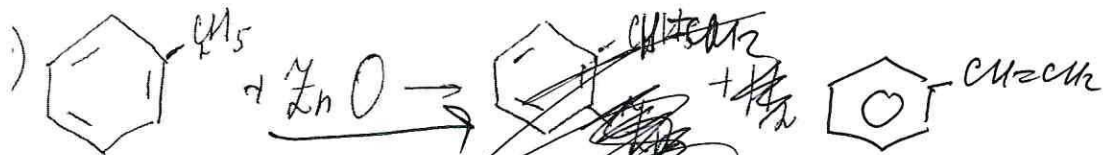
Ответ: $w(X) = 17,5\%$

1	2	3	4	5	6	7	8	9	10
2	2					12	12		20

1/4, 4



1/8, 4



СЕЧЕНОВСКИЙ
УНИВЕРСИТЕТ

205

$m(\text{I}_2) = 0, 9 \cdot 254 = 228, 6 \text{ масса недействительна}$

$\omega(\text{C}_{17}\text{H}_{19}\text{SO}_4) = 83, 4\%$

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