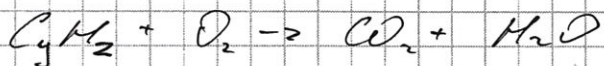




ПИСЬМЕННАЯ РАБОТА

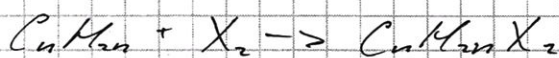
№ 10-3



$$\nu(CO_2) = \frac{V(CO_2)}{V_{H_2O}} = \frac{6,72}{22,4} = 0,3 \text{ моля} \Rightarrow \nu(C) = 0,3 \text{ моля}$$

$$\nu(H_2O) = \frac{m(H_2O)}{M(H_2O)} = \frac{5,4}{18} = 0,3 \text{ моля} \Rightarrow \nu(H) = 0,6 \text{ моля}$$

$$y : z = \nu(C) : \nu(H) = 0,3 : 0,6 = 1 : 2 \Rightarrow C_y H_z \rightarrow C_n H_{2n}$$



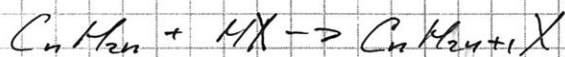
$$\omega(X) = 100\% - \omega(H) - \omega(C) = \frac{Ar(X) \cdot 2}{Mr(C_n H_{2n} X_2)} \cdot 100\% = 49,15\% = \frac{2X}{14n + 2X} \cdot 100\%$$

$$0,4915 = \frac{2X}{14n + 2X}$$

$$2X = 1,081n + 1,583X$$

$$0,417X = 1,081n$$

$$X = 26,573$$



$$\omega(X) = 100\% - \omega(H) - \omega(C) = ~~64,96\%~~ = 100\% - 5,44\% - 29,3\% = 64,96\% = \frac{Ar(X)}{Mr(C_n H_{2n+1} X)} \cdot 100\% = \frac{X}{14n + 1 + X} \cdot 100\%$$

$$0,6496 = \frac{X}{14n + 1 + X}$$

$$X = 0,6496X + 0,6496 + 9,0944n$$

$$0,3504X = 9,0944n + 0,6496 \quad /: 0,6496$$

$$0,54X = 14n + 1$$



черновик



чистовик

Страница № 1 из 3 стр.

(поставьте галочку в нужном поле)

(нумеруются только чистовики)

1	2	3	4	5
14	-	20	-	-

34

Место для 2 скрепки



ПИСЬМЕННАЯ РАБОТА

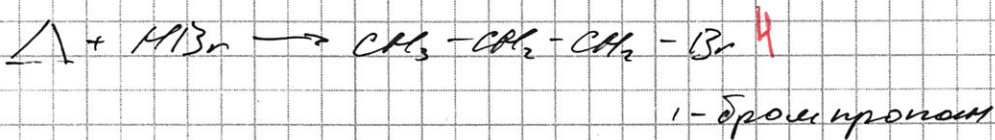
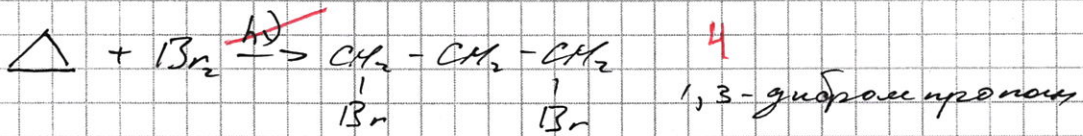
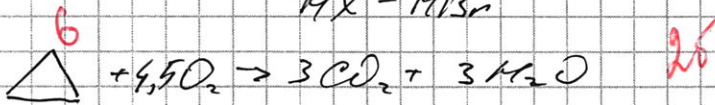
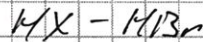
14,3338n = 14n + 1

0,3338n = 1

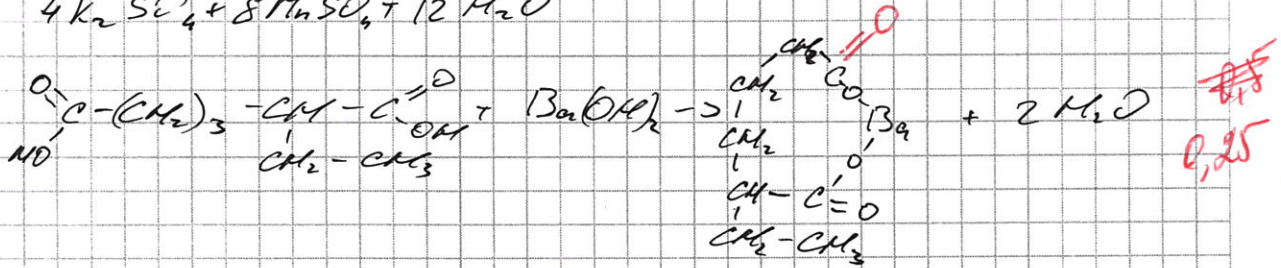
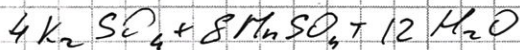
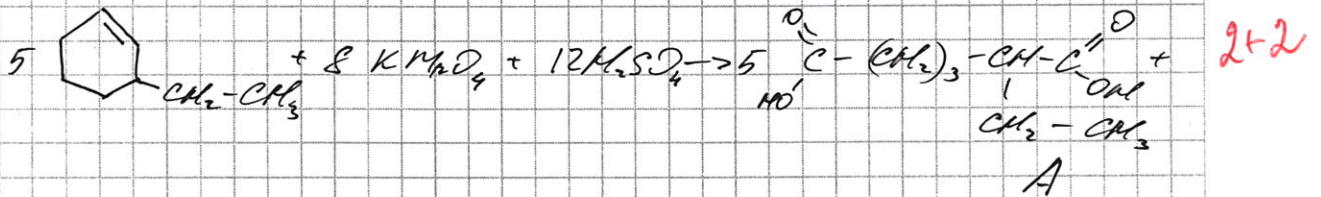
n = 3 => CnH2n -> C3H6

X = 26,573 · 3

X = 79,719 => X2 - Br2 4б



~ 10 - 1



ПИСЬМЕННАЯ РАБОТА

