

$$w(C) = 45,86\% \quad w(H) = 100\% - (45,86\% + 45,22\%) = 8,92\%$$

$$w(Cl) = 45,22\% = 8,92\% \quad -15$$

$$D(He) = 19,625$$

$$M(ExHyClz) = 19,625 \cdot 4 = 78,52 / \text{моль} \quad 15$$

и.ф. - ?

$$n(C) = \frac{m}{M} \quad n(C) = \frac{45,86}{12} = 3,82 \text{ моль}$$

$$n(H) = \frac{8,92}{1} = 8,92 \text{ моль}$$

$$n(Cl) = \frac{45,22}{35,5} = 1,27 \text{ моль}$$

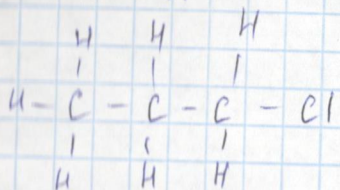
$$n(C) : n(H) : n(Cl) = 3,82 : 8,92 : 1,27 =$$

$$= 3 : 7 : 1$$

C_3H_7Cl - молекулярная формула 35

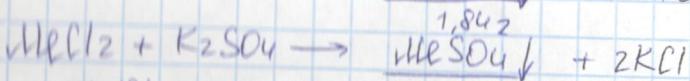
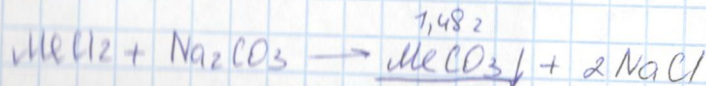
проверка $M(C_3H_7Cl) = 36 + 7 + 35,5 = 78,5$ 15

структурная формула: 15



хлорпропан

$$M(Cl_2)$$



$$\begin{array}{l}
 148 \\
 x+60 = \\
 \hline
 1,84 \\
 x+96
 \end{array}$$

$$1,48(x+96) = 1,84(x+60)$$

$$1,48x + 142,08 = 1,84x + 110,4$$

Xим - 10 - 21

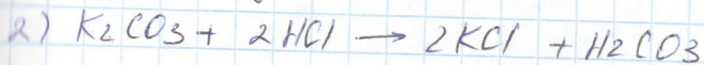
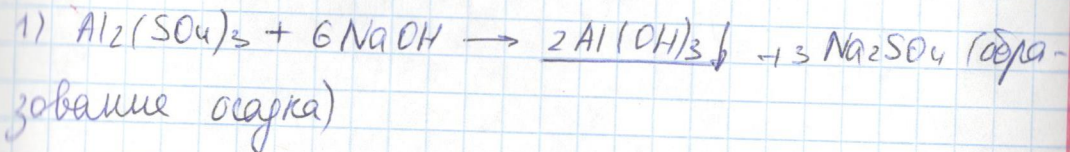
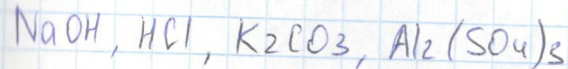
$$1,48x - 1,84x = 110,4 - 142,08$$

$$-0,36x = -31,68$$

$$x = 88 \quad 15$$

Ar(Sr) = 88 (стронций) 15

Дано:



15 баллов