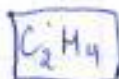


N3



$$\omega(C) = \frac{2 \cdot 12}{28} \cdot 100\% = 85,7$$

$$\begin{array}{r} 2400/28 \\ - 224/85,74 \\ \hline 160 \\ - 140 \\ \hline 200 \\ - 196 \\ \hline 4 \end{array}$$

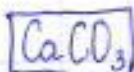
$$M_r(C_2H_4) = 12 \cdot 2 + 1 \cdot 4 = 24 + 4 = 28$$



$$\omega(C) = \frac{1 \cdot 12}{28} \cdot 100\% = 42,8$$

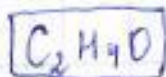
$$\begin{array}{r} 1200/28 \\ - 112/42,8 \\ \hline 80 \\ - 56 \\ \hline 240 \\ - 224 \\ \hline 16 \end{array}$$

$$M_r(CO) = 12 + 16 = 28$$



$$\omega(C) = \frac{1 \cdot 12}{100} \cdot 100\% = 12$$

$$M_r(CaCO_3) = 40 + 12 + 16 \cdot 3 = 40 + 12 + 48 = 100$$



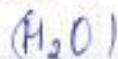
$$\omega(C) = \frac{2 \cdot 12}{44} \cdot 100\% = 54,5$$

$$M_r(C_2H_4O) = 12 \cdot 2 + 1 \cdot 4 + 16 = 24 + 4 + 16 = 44$$

N4

Май зат:  $S_8, P_4, He$ Қырғи зат:  $MnO_2$ 

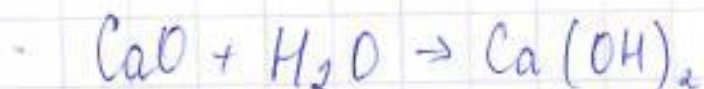
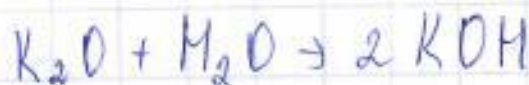
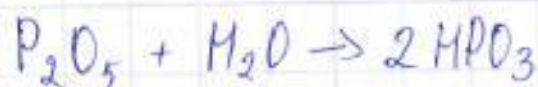
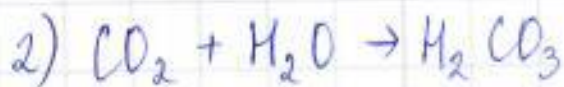
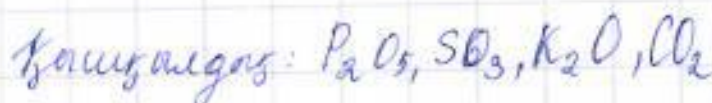
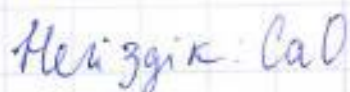
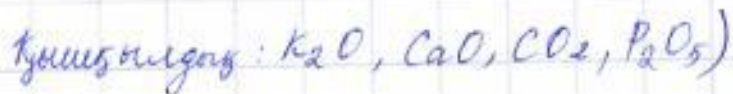
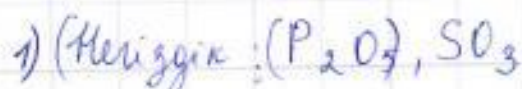
(N1)



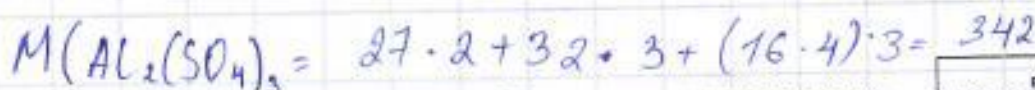
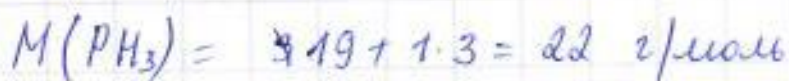
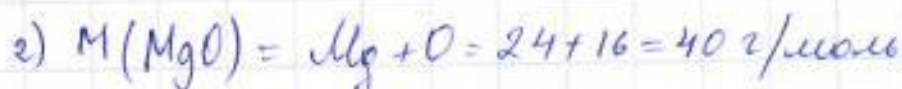
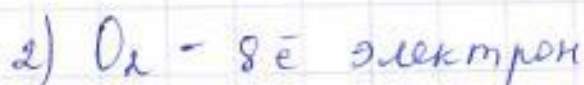
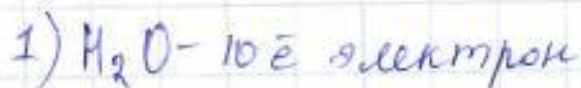
2-Таблица

1) Магний оксиді -  $MgO$ Алюминий оксиді -  $Al_2O_3$ Көміртек оксиді -  $CO_2$ Литий оксиді -  $Li_2O$ Фосфор оксиді -  $P_2O_5$ 2)  $NaCl$  - натрий хлориді $MgSO_4$  - магний сульфаты $K_3PO_4$  - калий ортофосфаты $CaCO_3$  - кальций карбонаты $Al_2S_3$  - алюминий сульфиді

## 3-тапсырма



## 1-тапсырма



$$M(\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2) = 40 \cdot 10 + (19+16) \cdot 4 \cdot 6 + 16+1 \cdot 2 = 1004$$

4-тапсырма

$$1) 100 + 66,52 = 166,52$$

$$\omega = \frac{66,5}{166,5} \cdot 100\% = 39,9 \approx 40\%$$

$$2) 400 \text{ мг} \quad \text{---} \quad 100\%$$

$$x \text{ мг} \quad \text{---} \quad 8\%$$

$$x = 32 \text{ мг}$$