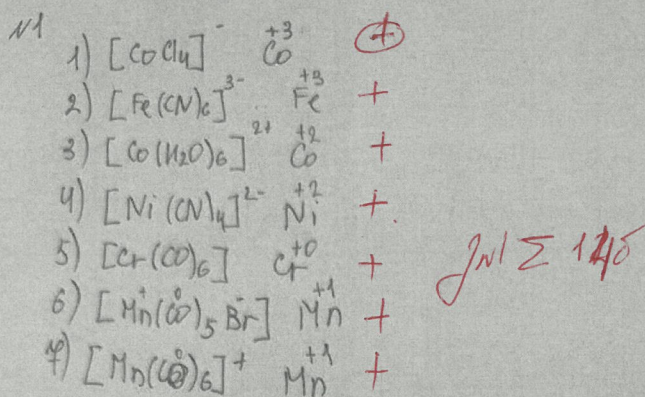


мем 1



N2.

$$1) M(B) = 2 \cdot 17 = 34 \text{ г/моль} \Rightarrow \text{B} - \text{PH}_3$$

$$2) pV = nRT, pV = \frac{m}{M}RT$$

$$p = 0,1 \text{ атм} = 10132,5 \text{ Па}$$

$$V = 8,56 \text{ м}^3 = 0,00856 \text{ м}^3$$

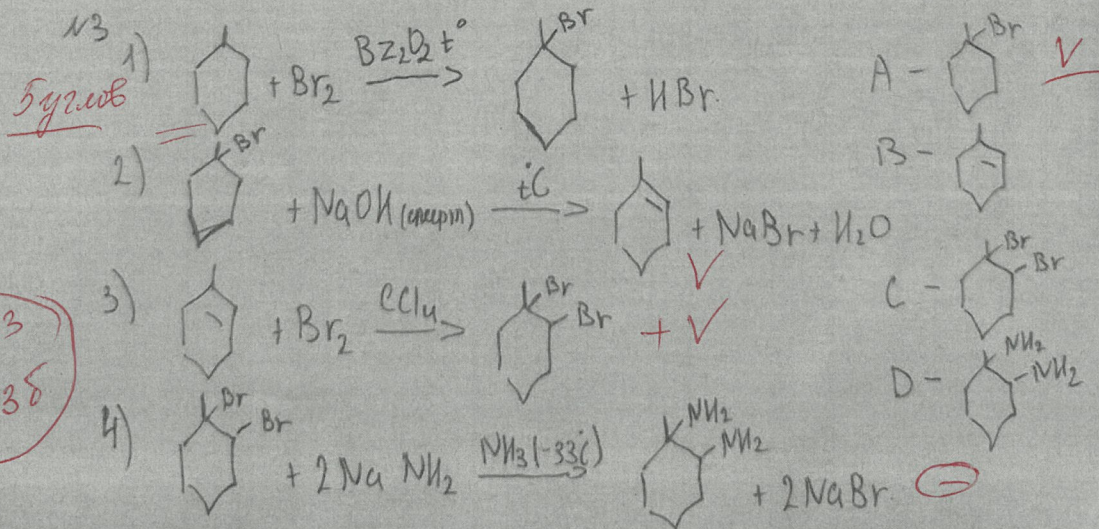
$$m = 0,662 = 0,00662 \text{ кг}$$

$$T = 261 \text{ К}$$

$$10132,5 \cdot 0,00856 = \frac{0,00662}{M} \cdot 261 \cdot 8,31$$

$$M = 14 \text{ г/моль} \Rightarrow \text{A} - \text{NH}_3 \ominus$$

г.д. 5 атомов

 $\sum N2 = 50$ 

$$N1 \sum 12$$

$$N2 \sum 50$$

$$N3 \sum 35$$

$$N4 \sum 265$$

$$N5 \sum 245$$

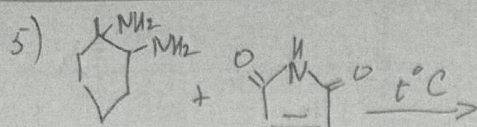
$$N6 \sum 85$$

$$12 + 0 + 3 + 26 + 24 + 8 = 75$$

сумма

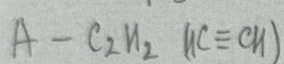
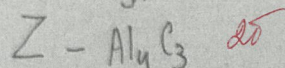
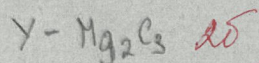
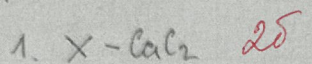
$$\sum 75$$

сумма

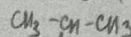
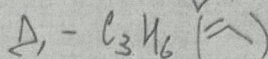
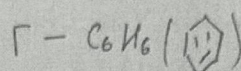
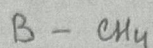
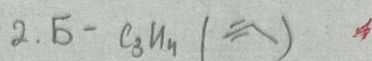
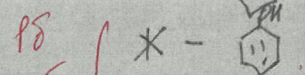


мем 2

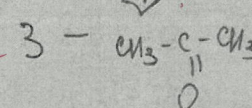
нч



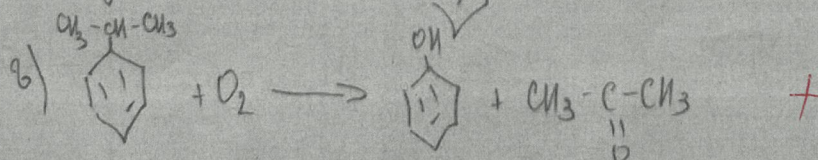
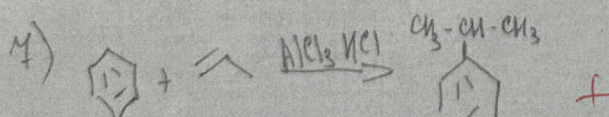
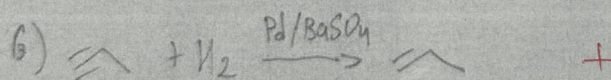
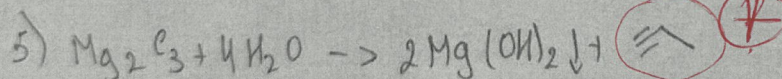
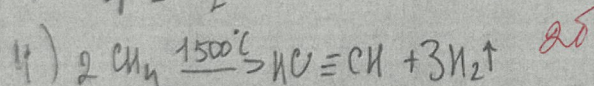
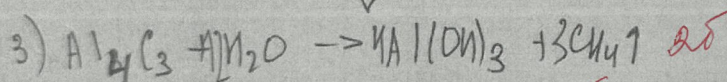
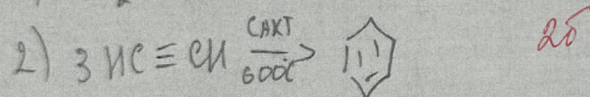
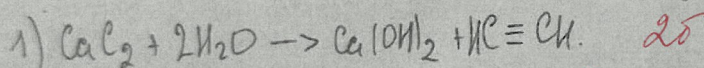
25

15
15

$$\omega(\text{O}_2) = \frac{16}{34} = 0,4702 \text{ (17,02\%)}$$



$$\omega(\text{O}_2) = \frac{16}{50} = 0,32 \text{ (12,5\%)}$$



224

Σ 265

v5

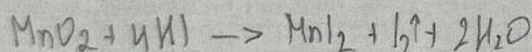
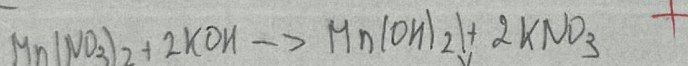
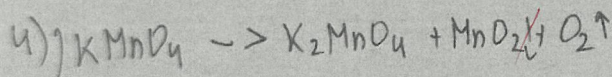
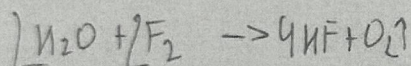
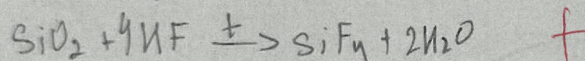
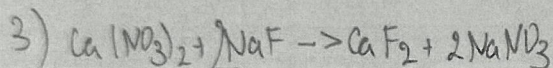
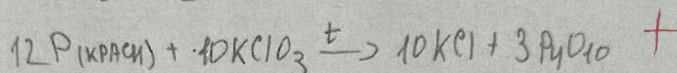
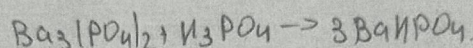
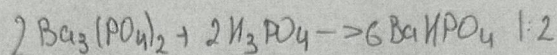
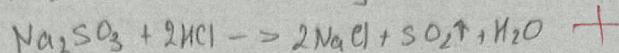
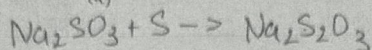
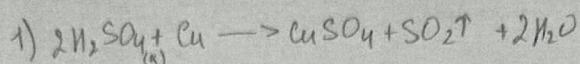
A-S

D-P

E-F

G-Mn

mem 3



v6

$$n(C_{10}H_8) = \frac{64g}{128 \frac{g}{\text{моль}}} = 0,5 \text{ моль} \quad +$$

$$m(C_6H_6) = 250g = 0,25 \text{ кг} \quad C_H = \frac{0,5 \text{ моль}}{0,25 \text{ кг}} = 2 \text{ моль/кг} \quad +$$

$$m(CHCl_3) = 250g = 0,25 \text{ кг} \quad C_H = \frac{0,5 \text{ моль}}{0,25 \text{ кг}} = 2 \text{ моль/кг}$$

$$\Delta T = 2,54 \frac{\text{К} \cdot \text{кг}}{\text{моль}} \cdot 2 \text{ моль/кг} = 5,14$$

$$\Delta T_{(C_6H_6)} = 2,54 \frac{\text{К} \cdot \text{кг}}{\text{моль}} \cdot 2 \text{ моль/кг} = 5,14 \text{ К}$$

$$\Delta T_{(CHCl_3)} = 2 \text{ моль/кг} \cdot 3,68 \frac{\text{К} \cdot \text{кг}}{\text{моль}} = 7,36 \text{ К} \quad +$$

$$T_{\text{пл}}^{(\text{C}_6\text{H}_6)} = 5,5^\circ\text{C} = 278,5\text{K} \quad \text{---}$$

лист 4.

$$T_{\text{пл}}^{(\text{CHCl}_3)} = -63,5^\circ\text{C} = 209,5\text{K}$$

$$\Delta T_{\text{зам}}(\text{C}_{10}\text{H}_8\text{ в C}_6\text{H}_6) = 278,5\text{K} - 5,14\text{K} = \underline{273,36\text{K}}$$

$$\Delta T_{\text{зам}}(\text{C}_{10}\text{H}_8\text{ в CHCl}_3) = 209,5\text{K} - 7,46\text{K} = 201,44\text{K}$$

$$\Delta T_{\text{зам}}(\text{C}_{10}\text{H}_8\text{ в C}_6\text{H}_6) = 273,36 - 273 = 0,36^\circ\text{C}$$

$$\Delta T_{\text{зам}}(\text{C}_{10}\text{H}_8\text{ в CHCl}_3) = 201,44 - 273 = -71,26^\circ\text{C}$$

непереносимая
+