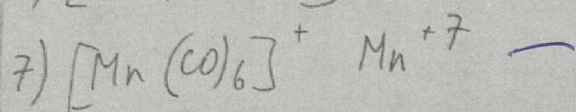
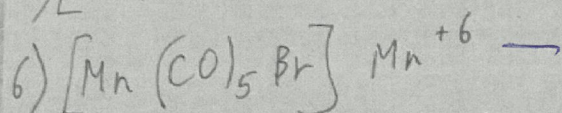
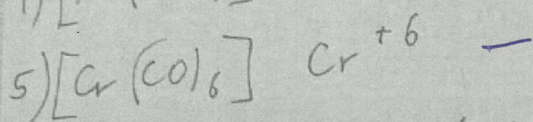
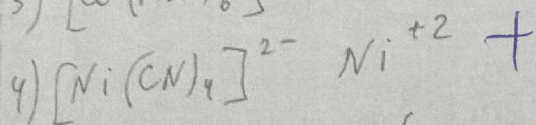
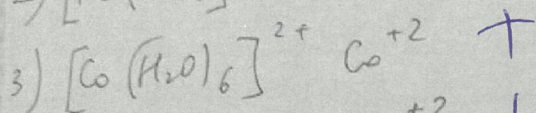
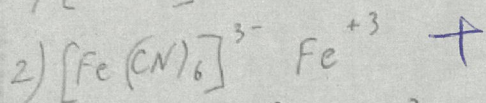
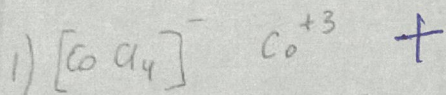


① ✓ 1.



$$4 \times 2 = 8$$

1	2	3	4	5	6	Σ
8	2	6	24	22	10	72

(2)

N5

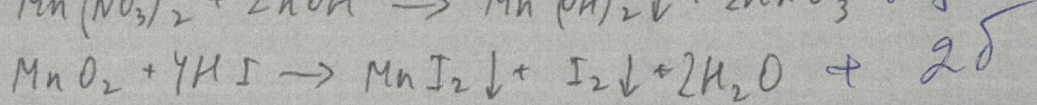
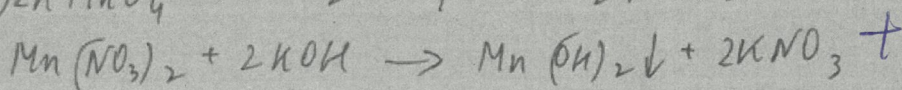
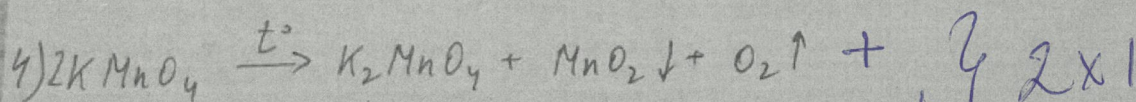
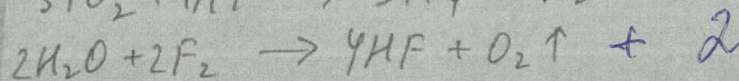
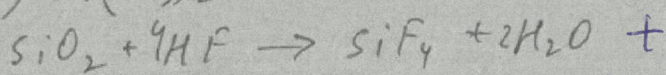
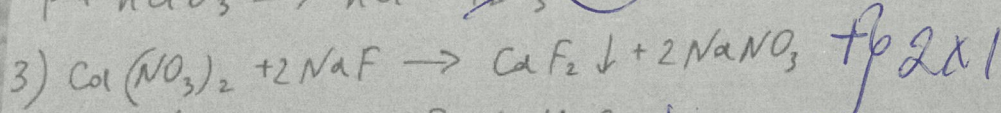
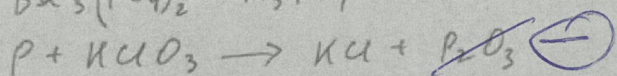
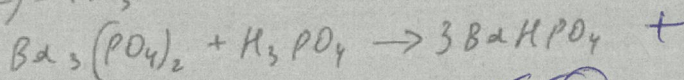
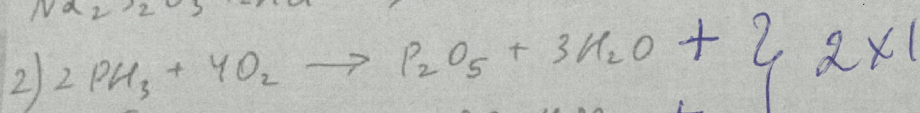
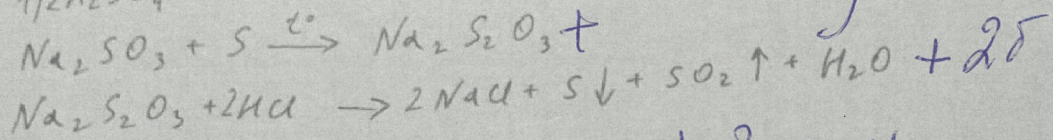
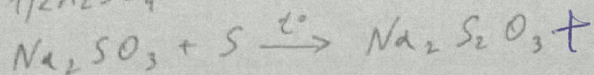
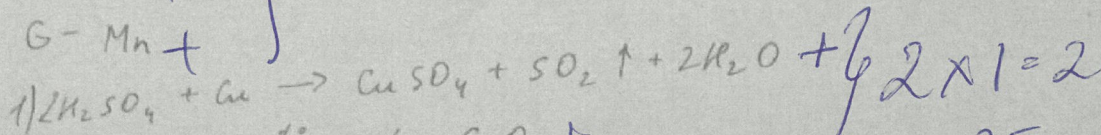
A - S +

D - P +

E - F +

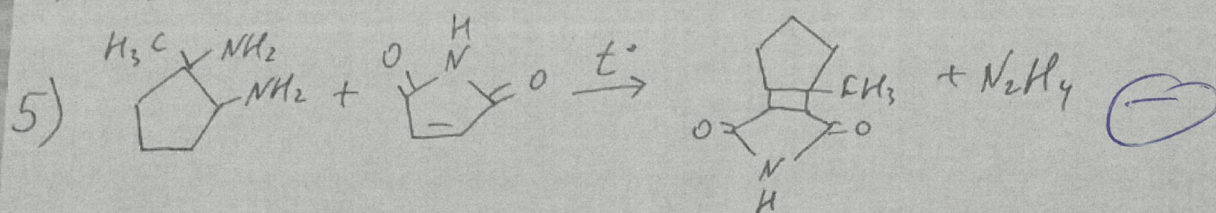
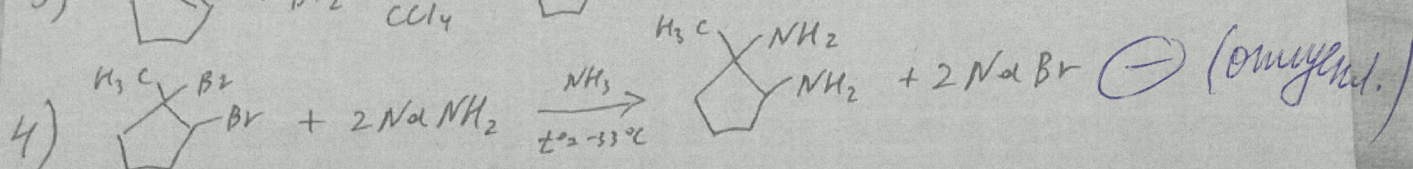
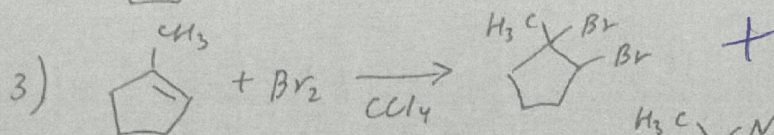
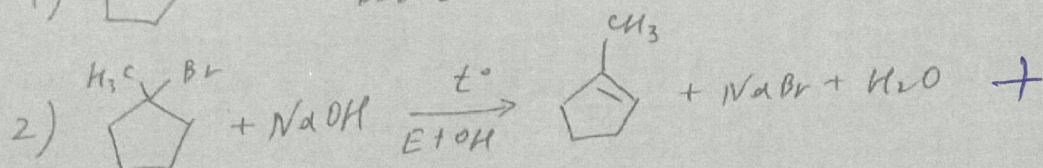
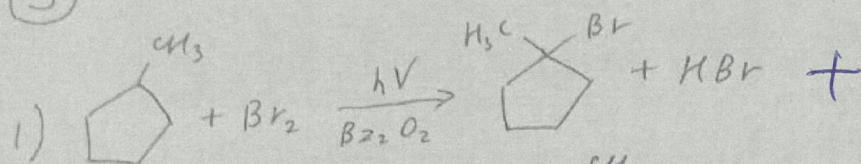
G - Mn +

4x2=8



$$8 + 4 + 2 + 4 + 4 = 22$$

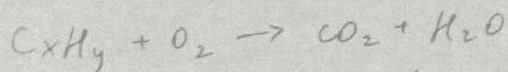
(3)



$$3 \times 2 = 6$$

(4)

✓4

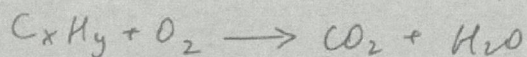


$$V(CO_2) = 1 \text{ л} \quad \left| \quad n(C) = \frac{V}{V_m} = \frac{1}{22,4} \approx 0,04 \text{ моль} \right.$$

$$m(H_2O) = 1,602 \text{ г}$$

$$\left| \quad \begin{aligned} n(H) &= 2n(H_2O) = 2 \cdot \frac{m}{M} = 2 \cdot \frac{1,602}{18} \approx 0,16 \text{ моль} \end{aligned} \right.$$

$$C : H = 0,04 : 0,16 \Rightarrow \underline{CH_4}$$



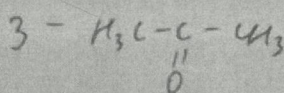
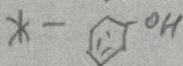
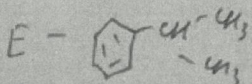
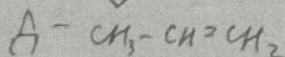
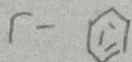
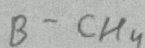
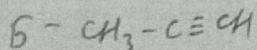
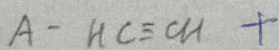
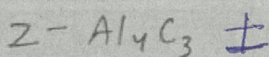
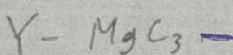
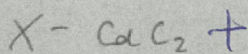
$$V(CO_2) = 1 \text{ л}$$

$$\left| \quad n(C) = n(CO_2) \approx 0,04 \text{ моль} \right.$$

$$m(H_2O) = 0,5346 \text{ г}$$

$$\left| \quad n(H) = 2n(H_2O) = 2 \cdot \frac{m}{M} = \frac{2 \cdot 0,5346}{18} \approx 0,0594 \text{ моль} \right.$$

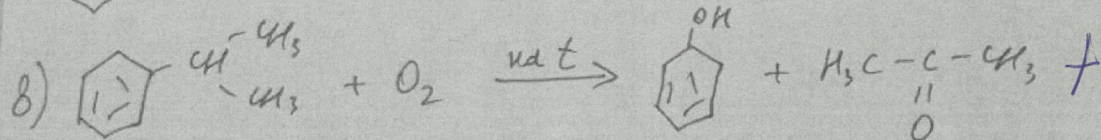
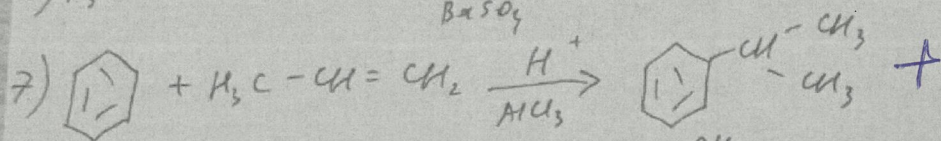
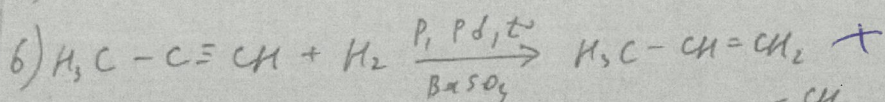
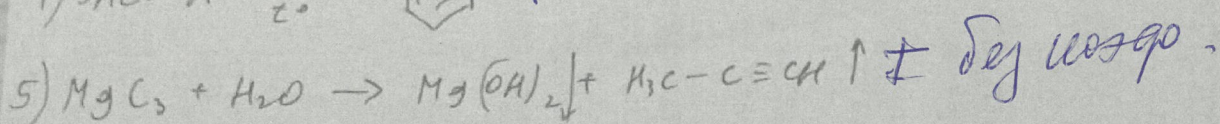
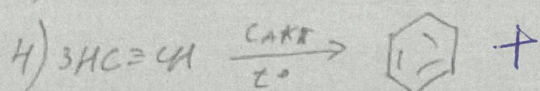
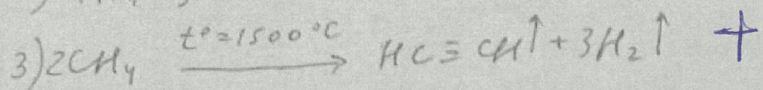
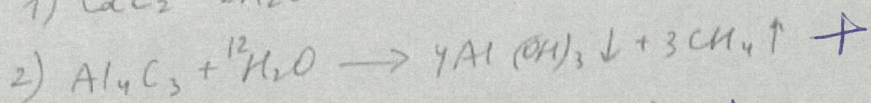
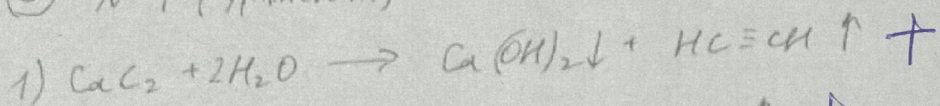
$$C : H = 0,04 : 0,0594 = CH_{1,3} \approx C_3H_4$$



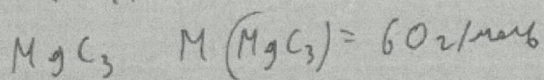
$$\left. \begin{array}{l} X \\ Y \\ Z \\ A \\ B \\ V \\ Г \\ A \\ E \\ Ж \\ З \end{array} \right\} \pm \text{ без пар. } 2 \times 0,5 = 1$$

~~65~~

⑤ ✓ 4 (уравнения)



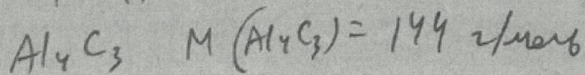
Карбид 1:



$$w(\text{Mg}) = \frac{24 \cdot 100\%}{60} = 40\% +$$

$$w(\text{C}) = \frac{36 \cdot 100\%}{60} = 60\% +$$

Карбид 2:



$$w(\text{Al}) = \frac{108}{144} \cdot 100\% = 75\% +$$

$$w(\text{C}) = \frac{36}{144} \cdot 100\% = 25\% +$$

$$X, Y, Z, A \quad 4 \times 2 = 8$$

$$X, Z - 2 \times 1 = 2$$

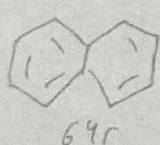
действ.

$$\text{при } 7 \times 2 + |X| = 15$$

25

⑥

√6



+

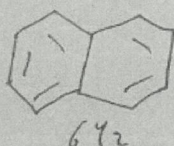


250r

$$n(C_{10}H_8) = \frac{m}{M} = \frac{64}{128} = 0,5 \text{ моль}$$

$$n(C_6H_6) = \frac{m}{M} = \frac{250}{78} = 3,2 \text{ моль}$$

$$\Delta T_{3AM} = 2,57 \cdot \frac{95}{250} \cdot 1000 = 5,14 \Rightarrow \Delta T_{3AM} = -5,14^\circ\text{C} = 268,01 \text{ K}$$



+



250,2

$$n(C_{10}H_8) = 0,5 \text{ моль}$$

$$\Delta T_{3AM} = 3,68 \cdot \frac{0,5}{250} \cdot 1000 = 7,76 \Rightarrow \Delta T_{3AM} = -7,76^\circ\text{C} = 265,39 \text{ K}$$

$$\text{ДТВЕТ: } -5,14^\circ\text{C} / 268,01 \text{ K} ; -7,76^\circ\text{C} / 265,39 \text{ K}$$

+105

$$2 \times 5 = 105$$

не нпр не пр

⑦ $\sqrt{2}$

$$D(\text{NH}_3) = 2 \Rightarrow \frac{M(\text{S})}{M(\text{NH}_3)} = 2 \Rightarrow M(\text{S}) = 2 \cdot 17 = 34 \text{ г/моль}$$

$$n(\text{A}) = \frac{V}{V_M} = \frac{8,56}{22,4} = 0,4 \text{ моль}$$

$$M(\text{A}) = \frac{m}{n} = \frac{0,68}{0,4} = 1,7 \text{ г/моль}$$

