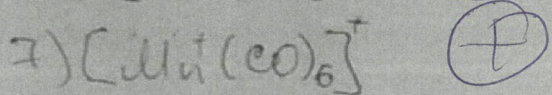
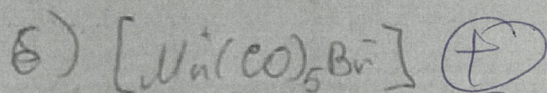
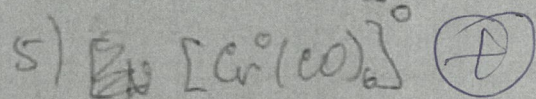
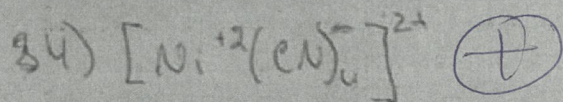
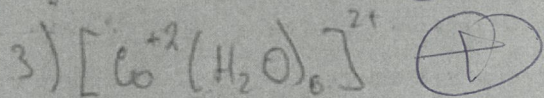
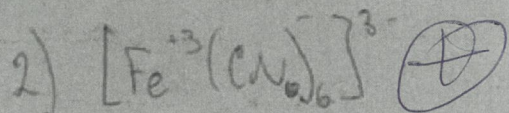
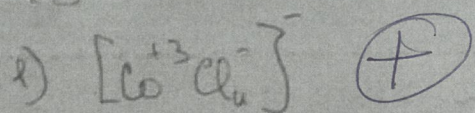


задание 1.

Учебное

X325038



$$7 \times 2 = 14$$

1	2	3	4	5	6	Σ
14	6	4	25	22	16	86

Задача №2

$$pV = nRT$$

$$M = \frac{mRT}{pV} = \frac{0,0006827 \cdot 8,314 \cdot 268}{10132,5 \text{ Па} \cdot 0,00856} = \frac{1,476}{86,9} = 0,017 \text{ кг/моль} = 17 \text{ г/моль} \Rightarrow \text{NH}_3$$

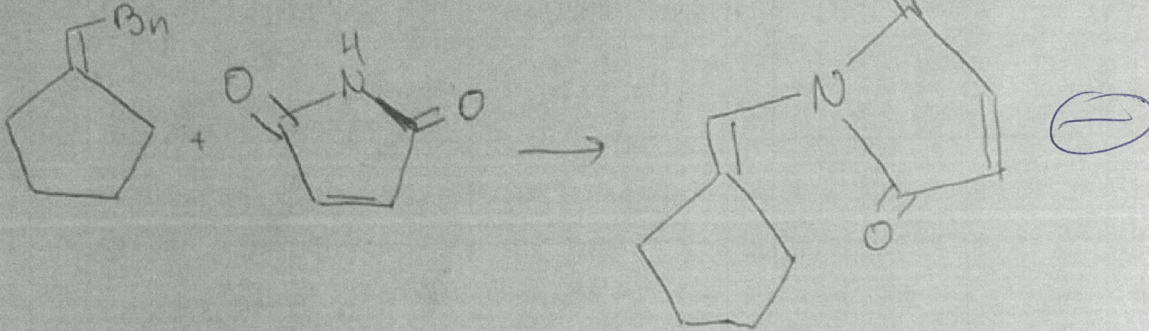
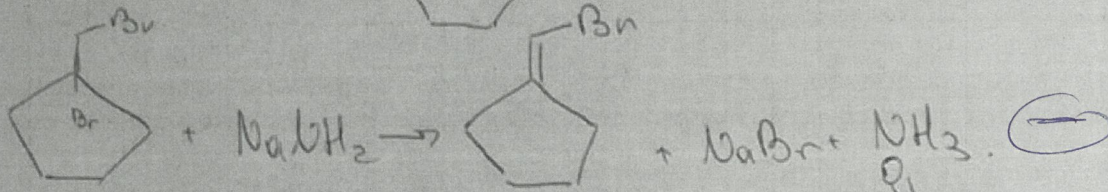
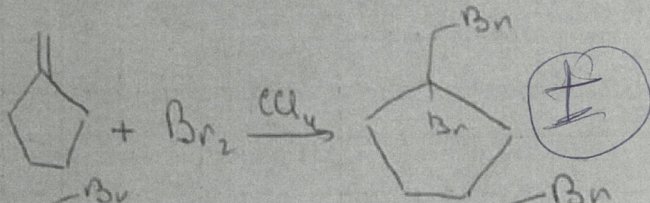
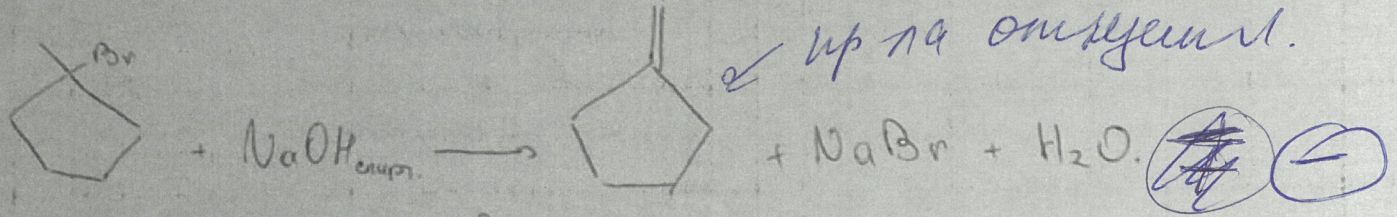
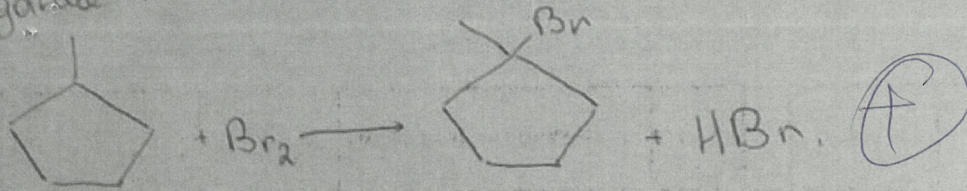
$$N(N) = 14 - 7 = 7 \neq$$

$$D_{\text{NH}_3} = \frac{M(G)}{M(\text{NH}_3)} = 2 \Rightarrow M(G) = 17 \cdot 2 = 34 \text{ г/моль} \Rightarrow \text{PH}_3 \quad N(P) = 31 - 15 = 16 \neq$$

формула не верна, мне надо
усп. зап. у Сат.

$$\begin{array}{r} 2 \times 2 = 4 \text{ (без ф. п. расчет)} \\ 2 \times 1 = 2 \\ \hline 6 \end{array}$$

задание 3



$1 \times 2 + 1 \times 10 = 22$

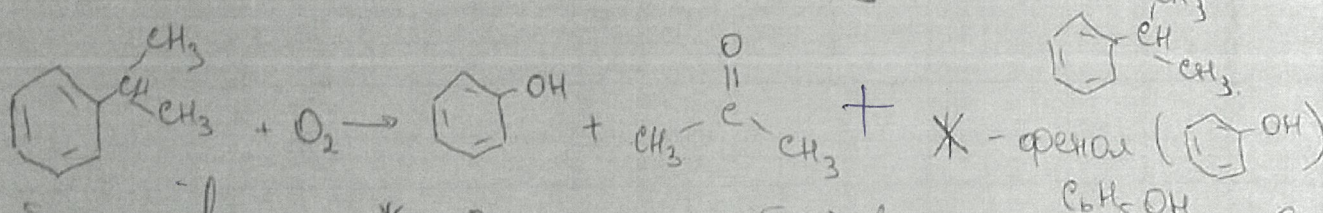
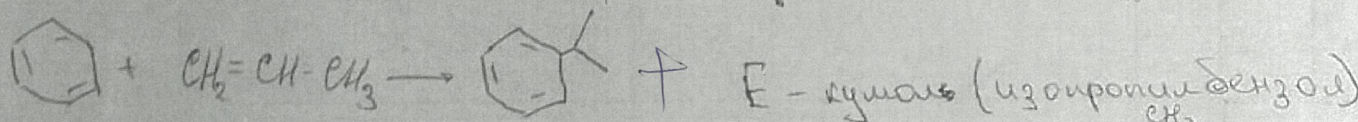
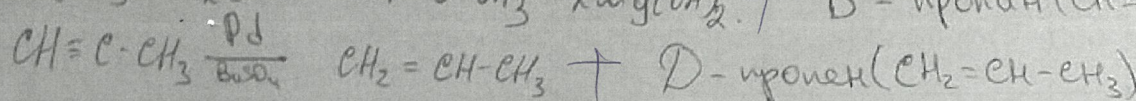
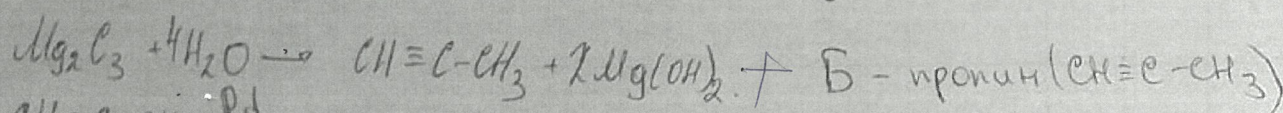
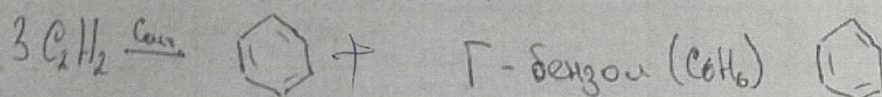
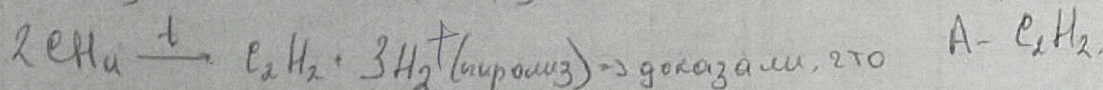
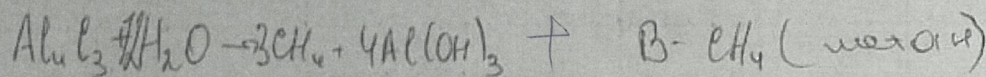
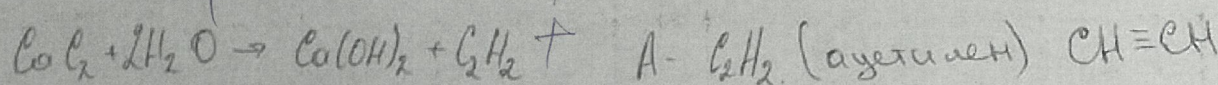
Задача 54

Чистовик. X325028

X - CaC_2 (может быть белым и образует ацетилен).

Y - Mg_2C_3 (т.к. только из него можно получить пропин).

Z - Al_4C_3 ($\omega(\text{Al}) = \frac{108}{144} = 0,75 = 75\%$) расч. Y



Чтобы проверить Ж и З посчитаем $\omega(\text{O})$ в этих соединениях:

ацетоне (З):
 $\omega(\text{O}) = \frac{16}{58} = 27,59\% \Rightarrow \text{верно.} \uparrow$

феноле (Ж):

$$\omega(\text{O}) = \frac{16}{94} = 17,02\% \Rightarrow \text{верно.} \uparrow$$

$$\text{X, Y, Z, A} - 3 \times 2 + 1 \times 1 = 7$$

$$+ 1 + 1 + 1 + 1$$

$$\text{Ж, З} - 2 \times 1 = 2$$

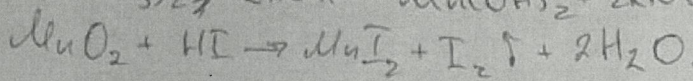
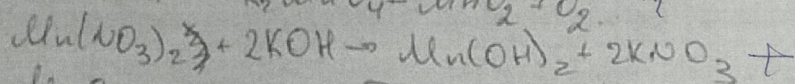
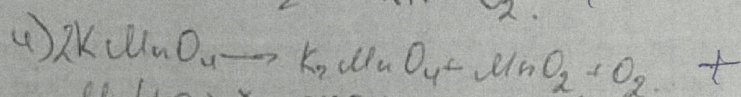
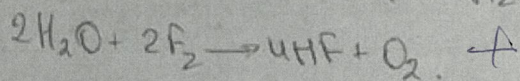
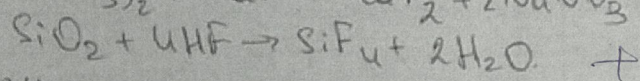
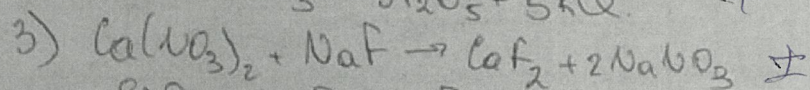
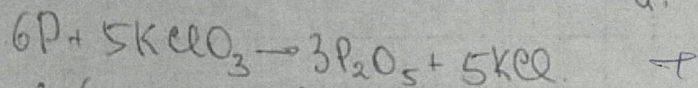
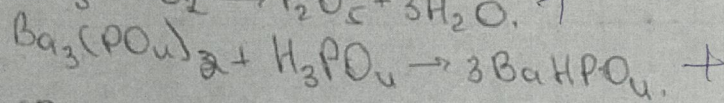
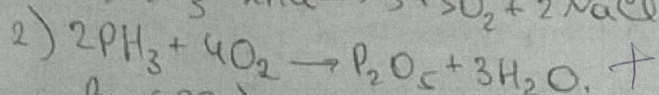
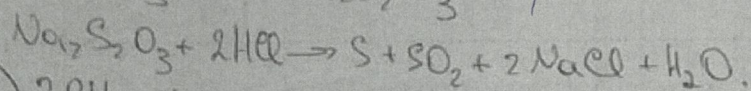
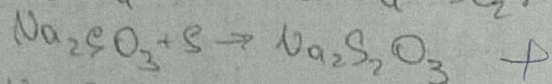
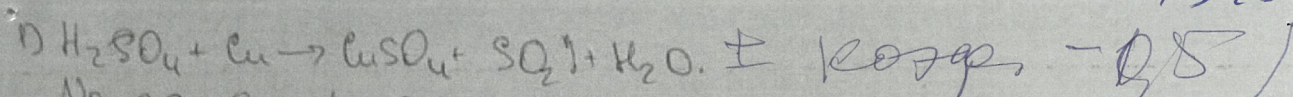
$$\text{р.и.ч.} - 8 \times 2 = 16$$

25

Задание 55

Учебное.

X3 25038



A - S

D - P

E - F

G - Mn

$4 \times 2 = 8$

$8 + 3,5 \cdot 2 + 4 + 3 = 22$

задание 56

Чистовик.

X325038

~~Решение~~ Рассчитаем количество в-ва нафталина:

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

найдем молярную концентрацию (x)

$$x = \frac{0,5 \text{ моль}}{0,25 \text{ л}} = 2 \text{ моль} \quad \checkmark$$

~~ДТ~~

для раствора бензола:

$$\Delta T_{\text{зам}} = 2,57 \cdot 2 = 5,14 \Rightarrow T_{\text{зам}} = 5,5 - 5,14 = 0,36^\circ\text{C} \Rightarrow \\ = 273,51 \text{ K.} \quad \checkmark$$

для раствора хлороформа:

$$\Delta T_{\text{зам}} = 3,88 \cdot 2 = 7,76 \Rightarrow T_{\text{зам}} = -63,5 - 7,76 = -71,26^\circ\text{C} = 201,89 \text{ K.} \quad \checkmark$$

$$\begin{array}{r} 2 \times 2 = 4 \\ 2 \times 6 = 12 \\ \hline 16 \end{array}$$