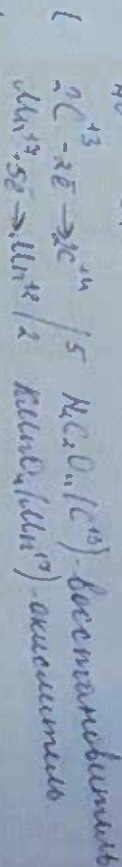
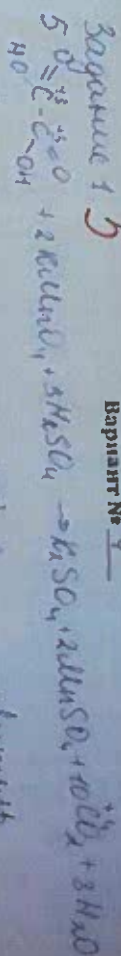


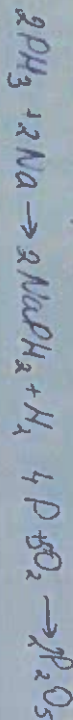
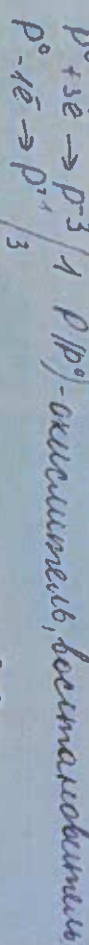
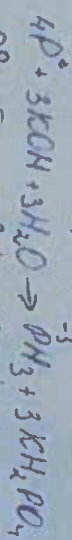
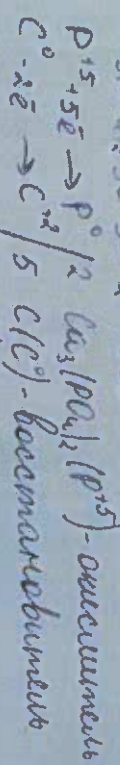
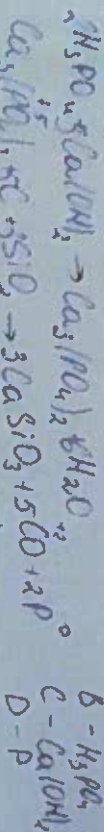


Задача 1 5

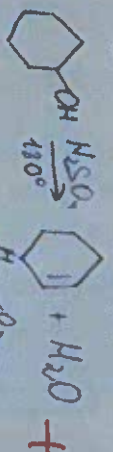
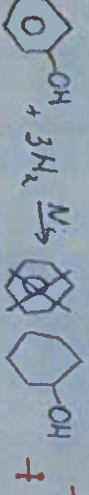
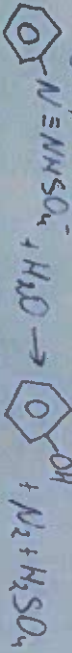
Вариант № 4



Задача 2 10



Задача 3 9

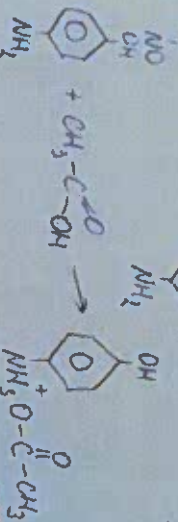
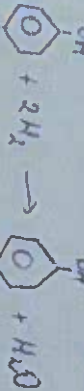
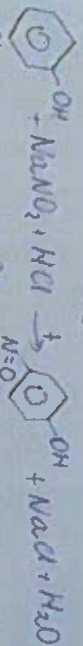
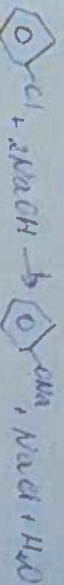


Х34-53

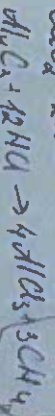
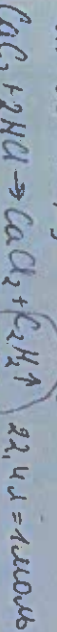
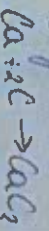


Вариант № 4

Задача 4 20



Задача 5 25-3=22



Пусть $n(\text{Ca}) = x$ моль, тогда $n(\text{CaC}_2) = x$ моль, $n(\text{C}_2\text{H}_2) = x$ моль
 $n(\text{Al}) = y$ моль, тогда $n(\text{Al}_4\text{C}_3) = 0,25y$ моль, $n(\text{CH}_4) = 0,75y$ моль

$$\begin{cases} 40x + 24y = 37,6 \\ x + 0,75y = 1 \end{cases}$$

$$40 - 30y + 27y = 37,6$$

$$x = 1 - 0,75y$$

$$40 - 30y + 27y = 37,6$$

$$3y = 2,4$$

$$y = 0,8$$



Вариант № 4

$$y = 0,8 \text{ моль} - n(\text{H})$$
$$x = 0,4 \text{ моль} - n(\text{Ca})$$

$$V(\text{C}_2\text{H}_2) = 0,4 \cdot 22,4 = 8,96 \text{ л}$$

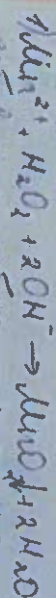
$$V(\text{CH}_4) = 0,75 \cdot 0,8 \cdot 22,4 = 13,44 \text{ л}$$

$$m(\text{Ca}) = 0,4 \cdot 40 = 16 \text{ г}$$

$$n(\text{H}) = 0,8 \cdot 27 = 21,6 \text{ г}$$

$$\text{Объем } m(\text{Ca}) = 16 \text{ г}, m(\text{H}) = 21,6 \text{ г}, V(\text{C}_2\text{H}_2) = 8,96 \text{ л}, V(\text{CH}_4) = 13,44 \text{ л}$$

Задача 6 2



реактаны угнетены NaOH, H₂O₂ восстановитель, Mn²⁺ и образующие окисла дигидрогена и пера гидроксидов

