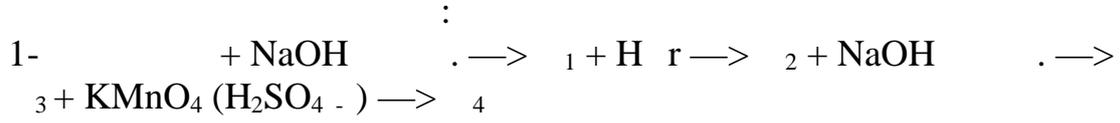
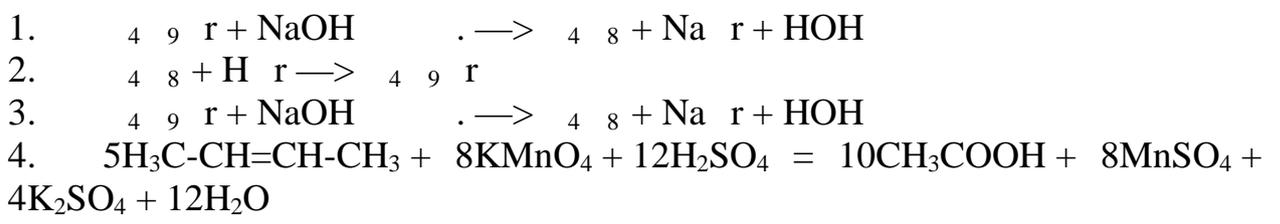




**1.**

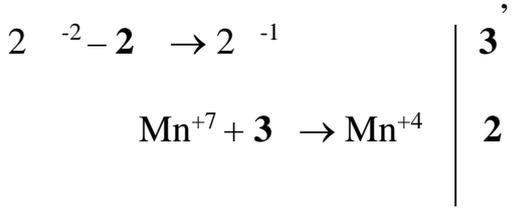
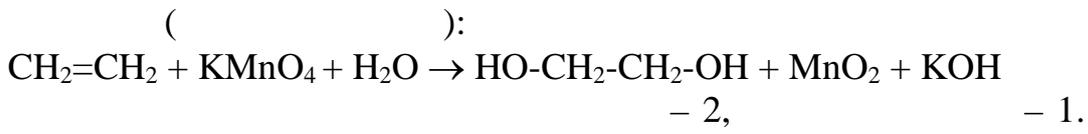


- 1 -
- 2 - 2-
- 3 - 2
- 4 -



1-3 ( 2 ), 4 ( 4 ),  
 ( 4 ).  
 - 14

**2.**



**3.**



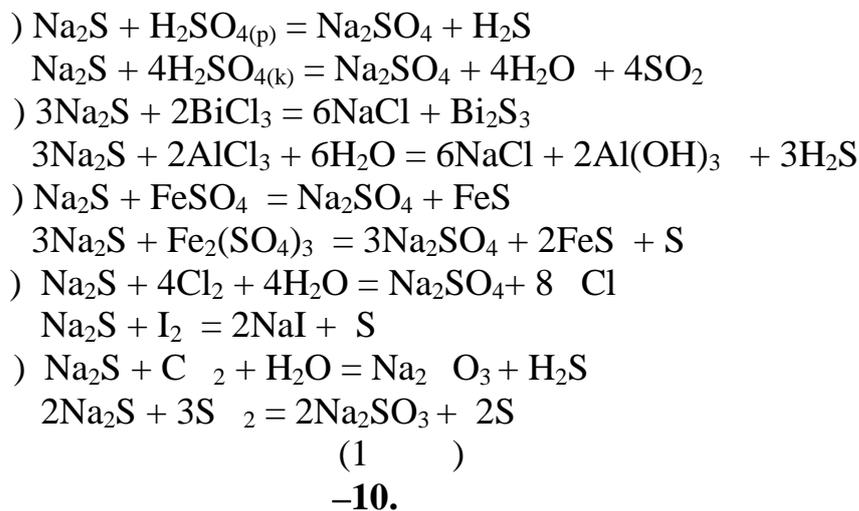
:  

$$C_nH_{2n-6} \text{ (1 )}$$

$$C_nH_{2n-6} = 6n + 2n - 6 = 8n - 6, \text{ (2 )}$$
 , 6n  
 (2 )  
 $8n - 6 / 6n = 1, 19 \text{ (2 )}$   
 $n, n = 7 \text{ (2 )}$   
 $C_7H_8 \text{ (1 )}$  **10** .  
 - **10**

**4.**

,  
 :  
 ) ;  
 ) ;  
 ) (II) (III);  
 ) ;  
 ) .

**5.**



30 .

1.

$$n_{2+2} + n_{2+3} \rightarrow n_{2+2} - 1$$

$$n_{2+5} \rightarrow n_{3} - 1$$

2.

$$n_{(2)}_{2+2} = n_{(2)} = n_{(3)}; \quad -1$$

$$n_{(3)} = 30 / 197 / = 0,15 \quad -1$$

$$m_{(2)} = 0,15 \cdot 30 / = 4,5 \quad -1$$

$$W((2)) = 4,5 \cdot 100\% / 150 = 3\% \quad -1$$

6.

$$n_{(2+5)} = n_{(3)} = 45 / 60 / = 0,75 \quad -1$$

$$m_{(2+5)} = 0,75 \cdot 46 / = 34,5 \quad -1$$

$$W_{(2+5)} = 34,5 \cdot 100\% / 150 = 23\% \quad -1$$

**-10.**

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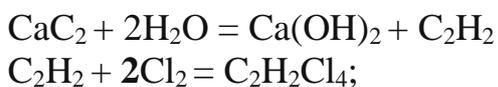
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« » 1,1,2,2-



2

2 .