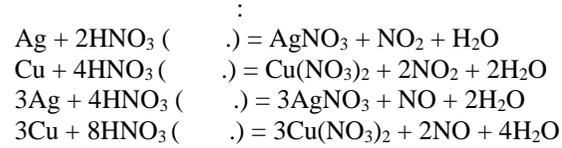


...

: 100

10-1 (20)



$$\begin{aligned} 760 \cdot V / 273 &= 740 \cdot 344,4 / 298 \\ V &= 307,2 = 0,3072 \end{aligned}$$

$$x, \quad 1-x.$$

$$\begin{aligned} x/108 + 2 \cdot (1-x)/64 &= 0,3072/22,4 \\ x &= 0,796 \end{aligned}$$

$$79,6\%, \quad -20,4\%.$$

$$V(\text{NO}) = [0,796/(3 \cdot 108) + 2 \cdot 0,204/(3 \cdot 64)] \cdot 22,4 = 0,103 = 103$$

$$; \quad \frac{7}{-2} ; \quad (8) \quad 2 - 5$$

10-2 (20)

	CO ₂ :			
	CO (.) +	H ₂ O (.) =	CO ₂ (.) +	H ₂ (.)
	0,03	0,03	0	0
	-0,01	-0,01	+0,01	+0,01
1				
	0,02	0,02	0,01	0,01
1				+0,02
	+x	+x	-x	-x
2				
	0,02+x	0,02+x	0,01-x	0,03-x
2				
	0,0243	0,0243	0,00573	0,0257

$$\begin{aligned} & () \\ & K = 0,01 \cdot 0,01 / (0,02 \cdot 0,02) = 0,25 \end{aligned}$$

$$K = (0,01-x) \cdot (0,03-x) / (0,02+x)^2 = 0,25.$$

$$: 0,00427 \quad 0,0624.$$

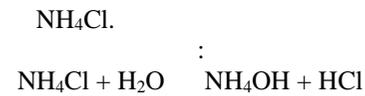
- 6

10 - 3 (20)

1. $y + [O] = 3$
 $3 + 2 \cdot 2 = 2 + 2 + 2$
 $2 + 2 = 2 + 3 + 2$
 2. $m() = 80 \times 1,25 \times 0,28 = 28$
 3. $() = 28 / 56 / = 0,5$
 $():$
 $(2) = 1/2 ()$; $(2) = 0,25$
 $()$
 $(3) = 1/2 (2)$; $(3) = 0,125$
 3. $(y) = (3)$; $(y) = 0,125$
 $(y) = 5,75 / 0,125 = 46 /$
- C $(y) = x \times 12 + y \times 1 + 16 = 46, \dots 12x + y = 30.$
 $x = 2, y = 6.$

4. $m(3) = 0,125 \times 60 / = 7,5$
 $(KOH) - 2$
 $- 5$
 $- 8$ $- 2$

10-4 (10)

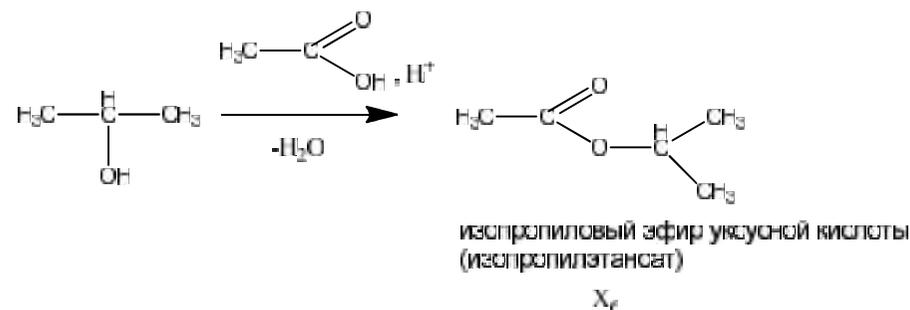
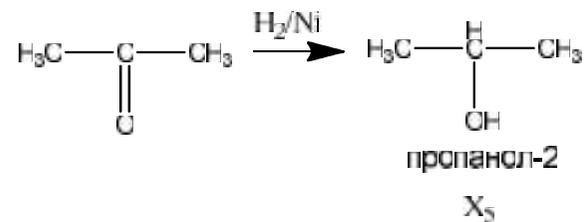
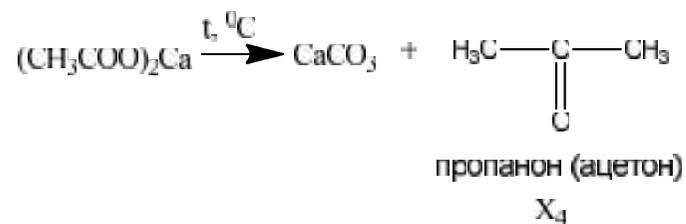
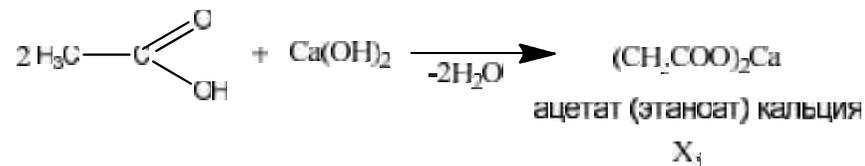
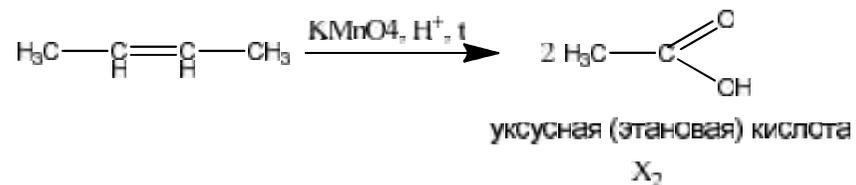
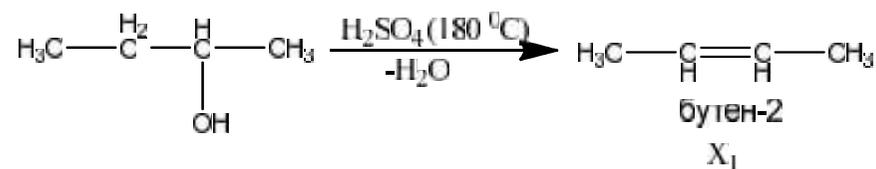


13,4. $\frac{53,5}{2} = 26,8$,
 $\frac{26,8}{2} = 13,4$.

10 - 5 (12)

- 1) $4\text{FeS}_2 + 11\text{O}_2 = 2\text{Fe}_2\text{O}_3 + 8\text{SO}_2$
- 2) $\text{S} + \text{O}_2 = \text{SO}_2$
- 3) $\text{FeS} + \text{H}_2\text{SO}_4 = \text{FeSO}_4 + \text{H}_2\text{S}$
- 4) $\text{SO}_2 + 2\text{H}_2\text{S} = 3\text{S} + 2\text{H}_2\text{O}$

10 - 6 (18)



X₁-X₆ - 1 - 2 .