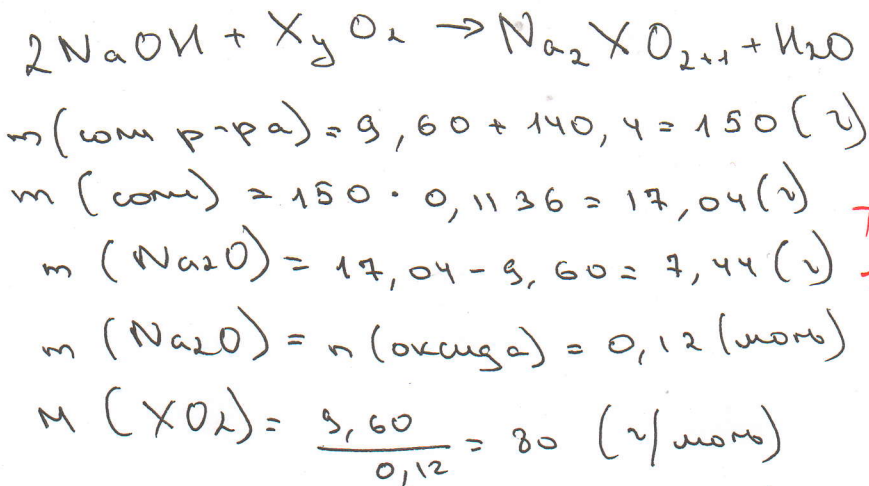


Дано:
 $m(X_y O_z) = 9,60$
 $m(NaOH) = 140,4$
 $w(NaOH) = 10\%$
 $w(ком) = 11,36\%$

$X_y O_z - ?$
 $ком - ?$

Решение:



X-18



Умова:

35 сума

$$w(NaOH)_{max} = 140,4 \cdot \frac{0,1}{40} = 0,351$$

$$w(NaOH)_{ос} = 0,351 - 2 \cdot 0,12 = 0,111$$

$$w(NaOH) = \frac{0,111 \cdot 40 \cdot 100\%}{150} = 2,96\%$$

15 сума

№2.

Дано:

$$C_{H_2} = 2 \text{ моль/л}$$

$$C_{I_2} = 1,5 \text{ моль/л}$$

$$C_{HI} = 1 \text{ моль/л}$$

$$K = 47$$

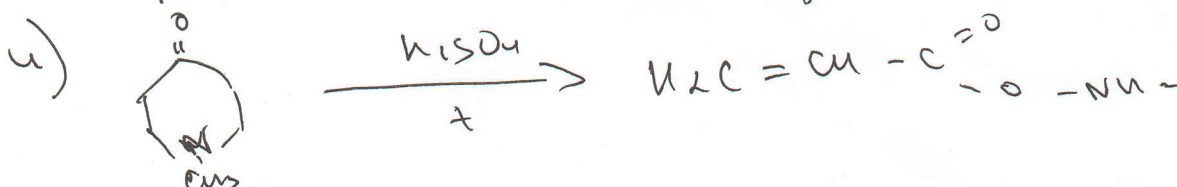
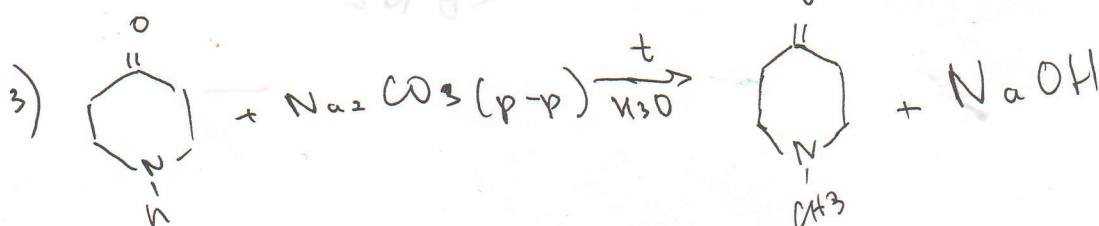
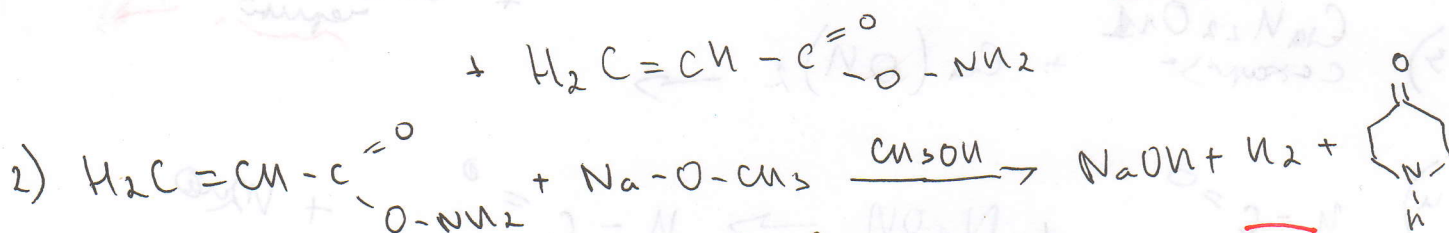
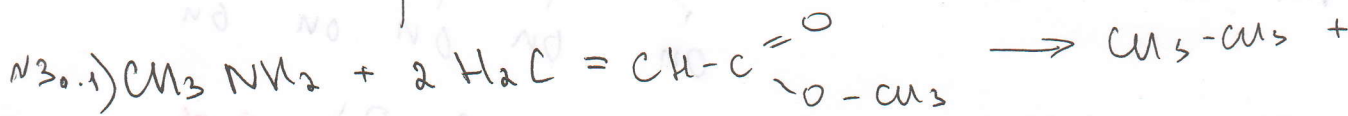
Решение:

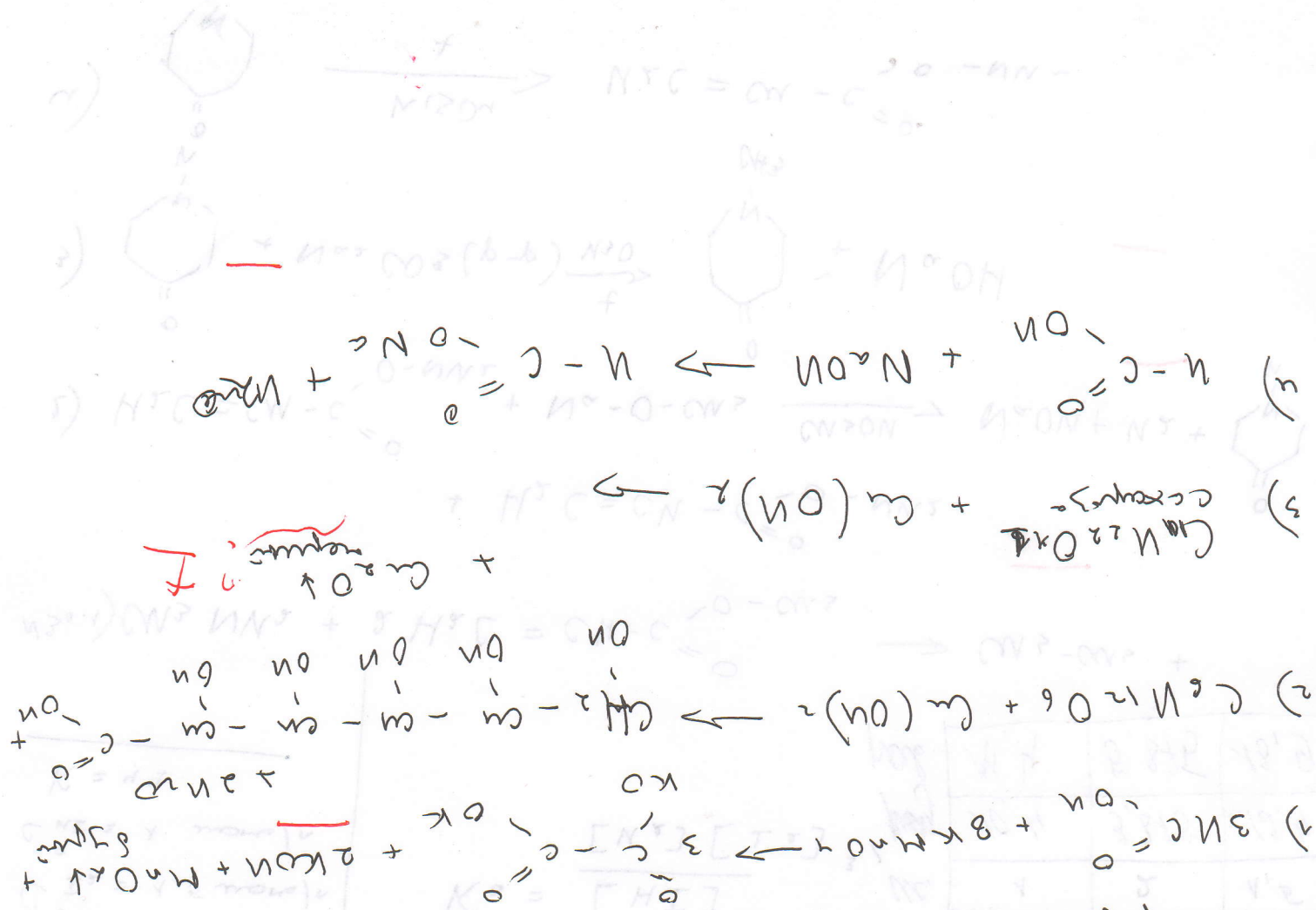


$$K_D = \frac{[HI]^2}{[H_2][I_2]}$$

исп.
пог.
рав.

HI	H ₂	I ₂
1	2	1,5
10,4	3,875	12,4
11,4	5,875	13,9





- 1) $3\text{HCl} + 8\text{KMnO}_4 \rightarrow \dots$
- 2) $\text{C}_6\text{H}_5\text{COOH} + \text{Ca(OH)}_2 \rightarrow \dots$
- 3) $\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \dots$

1 - monovalent - amino acids + 5
 2 - divalent - amino acids + 5
 3 - trivalent - amino acids + 5
 4 - tetraivalent - amino acids + 5

$\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_6\text{H}_5\text{COO}^- \text{Na}^+ + \text{H}_2\text{O}$	$\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_6\text{H}_5\text{COO}^- \text{Na}^+ + \text{H}_2\text{O}$
$\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_6\text{H}_5\text{COO}^- \text{Na}^+ + \text{H}_2\text{O}$	$\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_6\text{H}_5\text{COO}^- \text{Na}^+ + \text{H}_2\text{O}$
$\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_6\text{H}_5\text{COO}^- \text{Na}^+ + \text{H}_2\text{O}$	$\text{C}_6\text{H}_5\text{COOH} + \text{NaOH} \rightarrow \text{C}_6\text{H}_5\text{COO}^- \text{Na}^+ + \text{H}_2\text{O}$