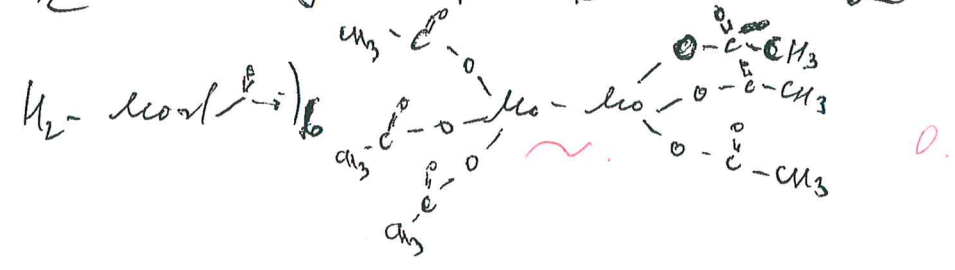
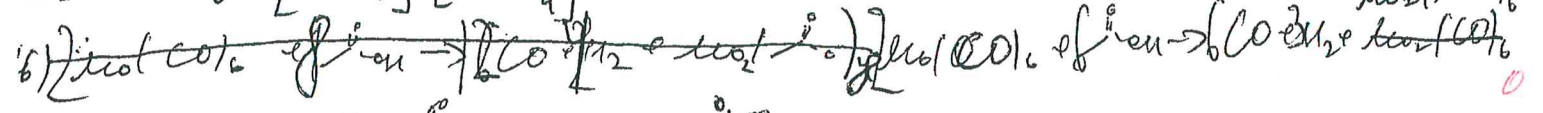
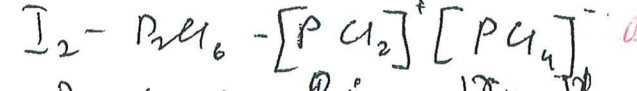
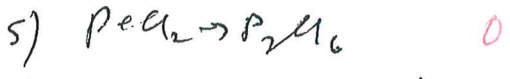
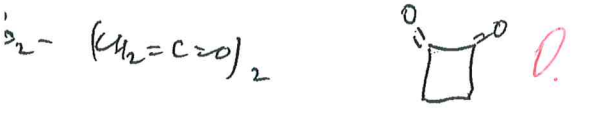
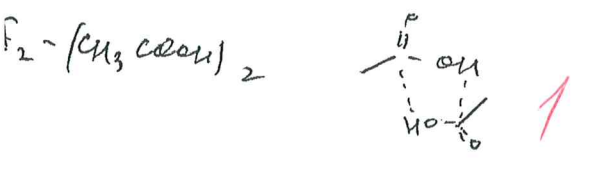
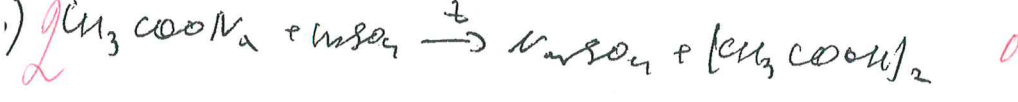
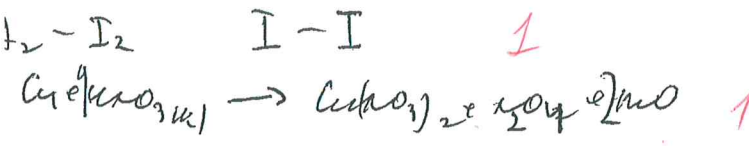
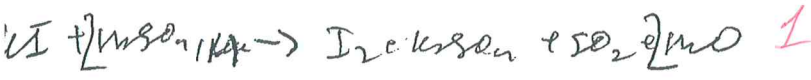


КОД 11-1-3

№ задачи	Баллы/20	Подписи членов жюри
1.	5	<i>С/б</i> <i>И.М.Мельников</i> <i>И</i>
2.	2	<i>С/б</i> <i>И.М.Мельников</i> <i>И</i>
3.	0	<i>С/б</i> <i>И.М.Мельников</i> <i>И</i>
4.	15,5	<i>С/б</i> <i>И.М.Мельников</i> <i>И</i>
5.	4,5	<i>С/б</i> <i>И.М.Мельников</i> <i>И</i>

27

Muzlybdel Cmogona



11.1 55

Минералогия

11-2
20.

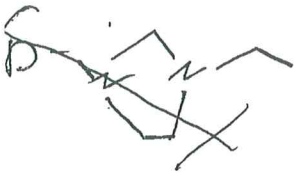
1. Хуор сульфиди минералогия - минералогия с UO_2 1

1) B-Be	B-Bi	A-
2) H-BeO	f-BiCl ₅	
3) F-BeCl₂	4) Bi₂O₅	
4) Na[BeCl₂]	G-H ₂ BiO ₃	
5) H₂[BeCl₂]	6) Na₂BiO₄	Na₂[BiCl₄] I-Na ₂ [BiCl ₄]
6) H₂[BiCl₂]	7) H₂[BiCl₄]	5-H ₂ [BiCl ₄]

- 1) $Bi + Cl_2 \rightarrow BiCl_5$
- 2) $BiCl_5 + H_2O \rightarrow HBiO_3 + HCl$
- 3) $2 HBiO_3 \rightarrow Bi_2O_5 + H_2O$
- 4) $BiCl_5 + NaCl + Bi \rightarrow Na_2[BiCl_6] + BiCl_4$
- 5) $Na_2[BiCl_6] + HCl \rightarrow 2 NaCl + H_2[BiCl_4]$
- 6) $BiCl_5 + H_2O + Bi \rightarrow Na_2[BiCl_4] + BiCl_3$

Сулбад Енегана 11-3

11-1-3



D -

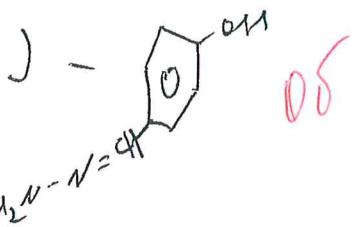
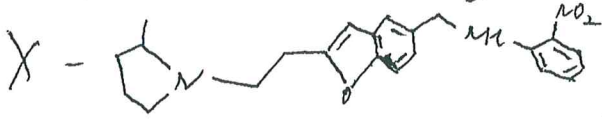
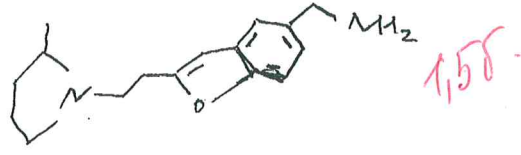
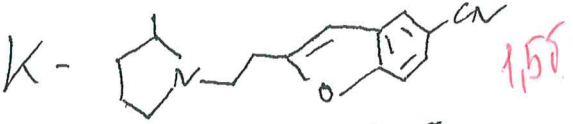
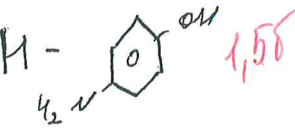
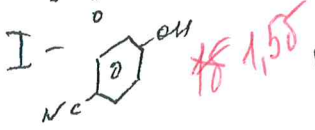
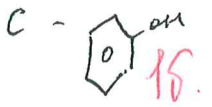
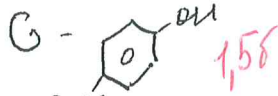
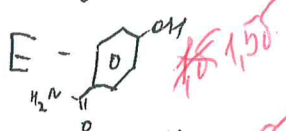
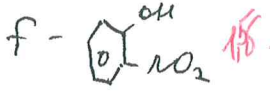
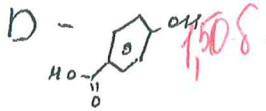
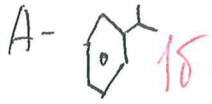


0.

Muskelrelaxantien

11-4

11-1-3



Σ 15,558

1) $T = 765 / k$

$l_p k = 0 \Rightarrow l_n k = 0$

$\Delta G^\circ = -8,314 \cdot 765 \cdot 0 = 0$

$\Delta H^\circ - 765 \Delta S^\circ = 0$

$\Delta H = 765 \Delta S$

2) $T = 720$

$l_p k = 4,15 \Rightarrow l_n k = 0,746$

$\Delta G^\circ = -8,314 \cdot 720 \cdot 0,746 = -2071,184$

$\Delta H^\circ - 720 \Delta S^\circ = -2071,184$

$765 \Delta S - 720 \Delta S = -2071,184$

$45 \Delta S = -2071,184$

~~$\Delta S = -46,03$~~ $\Delta S = -46,03$

$\Delta H = -35212,95$

$\Delta G^\circ(298) = -35212,95 + 298 \cdot 46,03 = -21486$

2) $\bar{u}(\text{вектор равнов}) = 51,5$

$\bar{u} = 11 \cdot 0,32 + 621 = 56,5$

$\bar{r} = 0,51$

$\bar{r} k = n R T$

$\bar{r} = \frac{pV}{pS}$

~~$\bar{r} = 40,36$~~

~~$n(T, p) = \dots$~~

~~$n(T, p) = \dots$~~

$K = \frac{[u_{pO_2}] [O_2]^{\frac{1}{2}}}{[u_{pO}] [Cl_2]^{\frac{1}{2}}}$

3) $u_{pO} \rightleftharpoons \frac{1}{2} O_2$

$u_{pO} \rightleftharpoons \frac{1}{2} O_2$

$\Sigma = 4,55$

15

35

0,5