

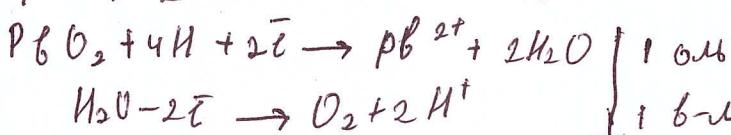
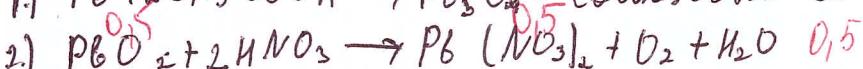
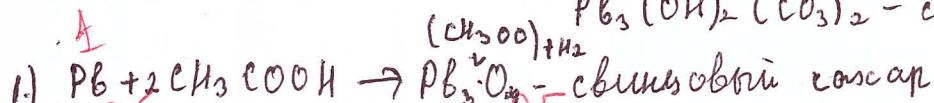
Открытая региональная межвузовская олимпиада вузов Томской области (ОРМО)

Общий балл	Дата	Ф.И.О. членов жюри	Подписи членов жюри
ЧБ	17.03.	Ситонина	<i>Жуков</i>

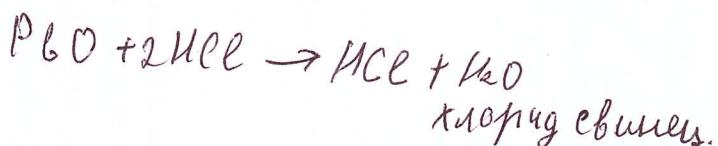
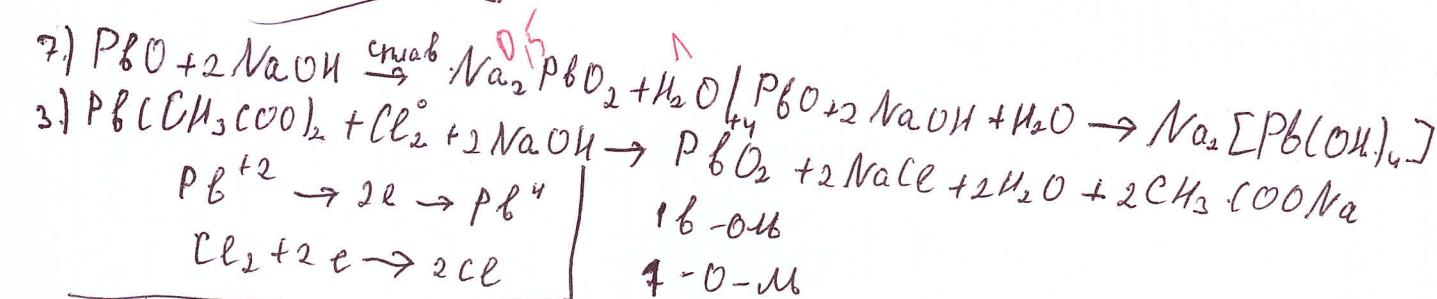
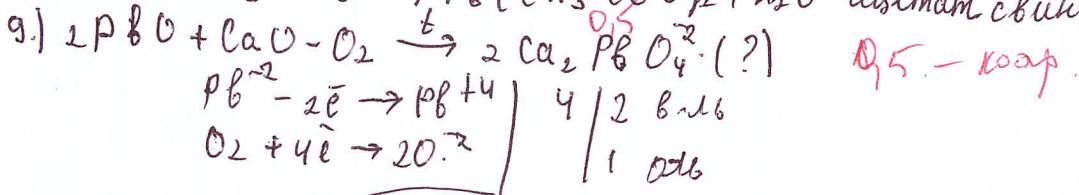
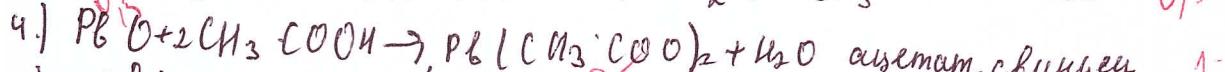
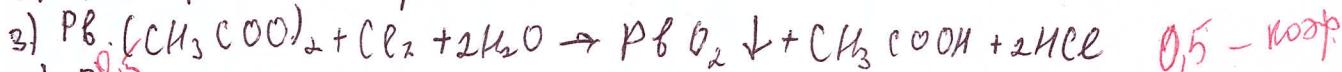
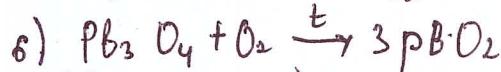
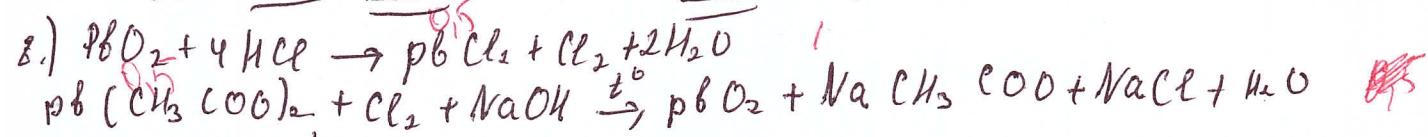
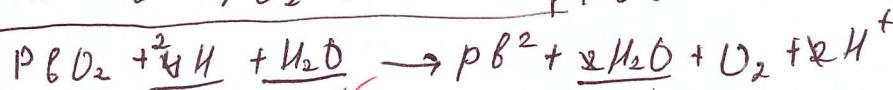
Задание 1. М-рб Pb_3O_4 - свинцовый сурик

(красн.)

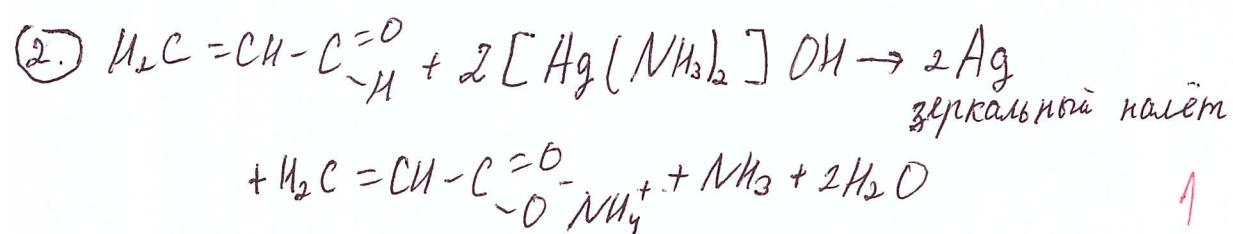
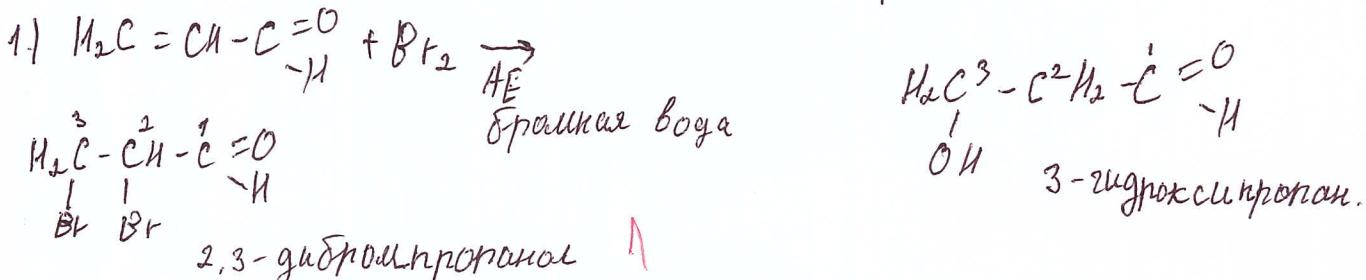
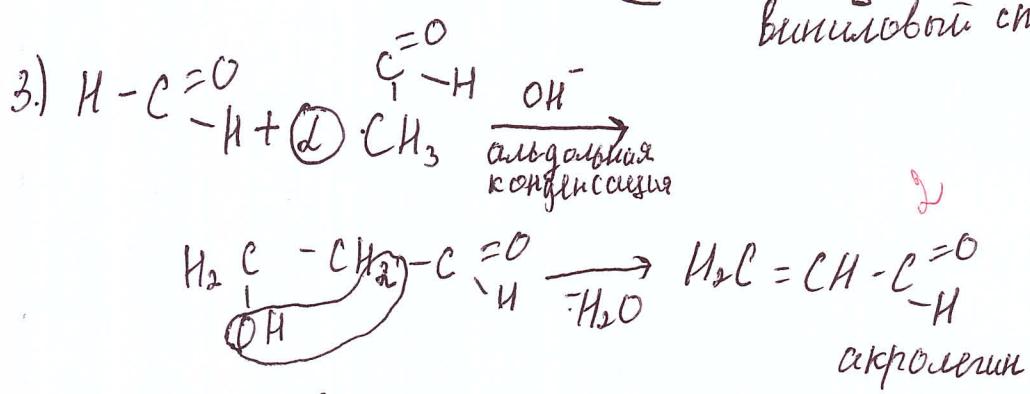
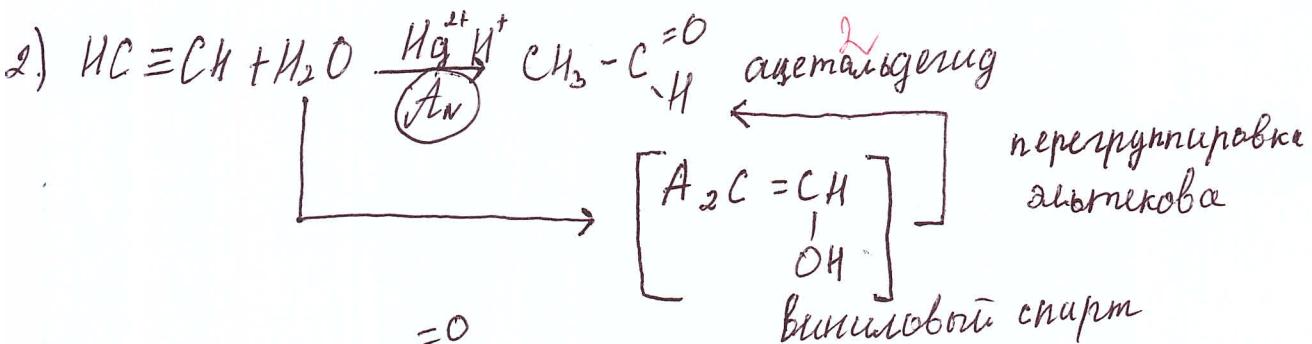
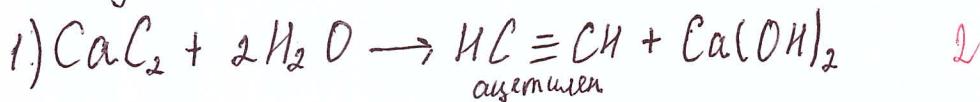
$(CH_3COO)_2 + H_2$ $Pb_3(OH)_2(CO_3)_2$ - свинцовые белые сплавы с рб



1	2	3	4
1	8	25	9



Задание 2.



Zagame 1.



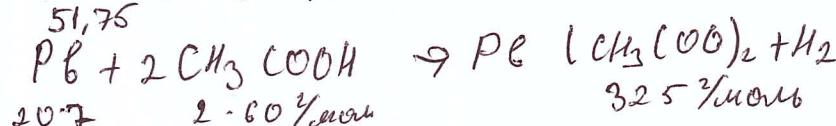
80000

(oguri raz bayenne)

Монко испалузован

australia свиньи

51,75



$$m(C_6H_5COONa) = CVM = 0,1 \text{ моль/л} \cdot 1 \text{ л} \cdot 60\% \text{ моль} = 6,2$$

$$n(\text{CH}_3\text{COOH}) = \frac{62}{602} = 0,1 \text{ моль}$$

$$n(PG) = \frac{51,752}{207\%_{\text{max}}} = 0,25 \text{ mAh}$$

0,25 моль смеси \rightarrow 0,1 моль якого

1 month embryo → 2 months

$x = 0,5 \text{ мол} - \text{кислоты}$

$$m(PB(CH_3COO)_2) = 32.5 \text{ грамм} \cdot 0.1 \text{ моль} = 32.5$$

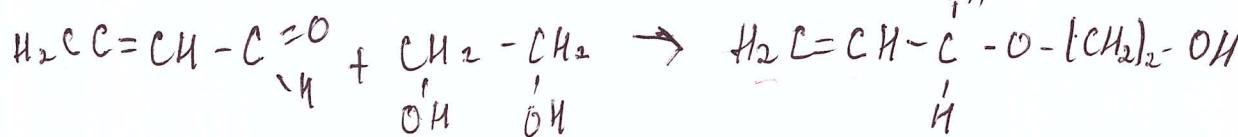
$$[\text{M}(\text{Pb}(\text{CH}_3\text{COO})_2)] = \frac{0.1 \text{ mol}}{1 \text{ L}} = 1 \text{ mol/L}$$

Реакция серебряного зеркала при t°

 OH

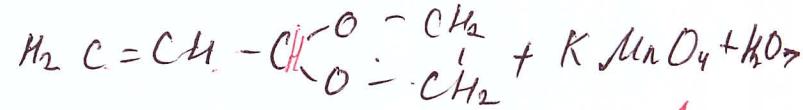
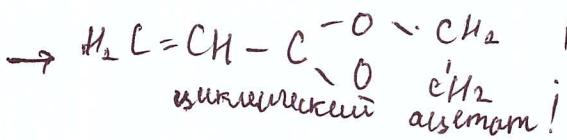
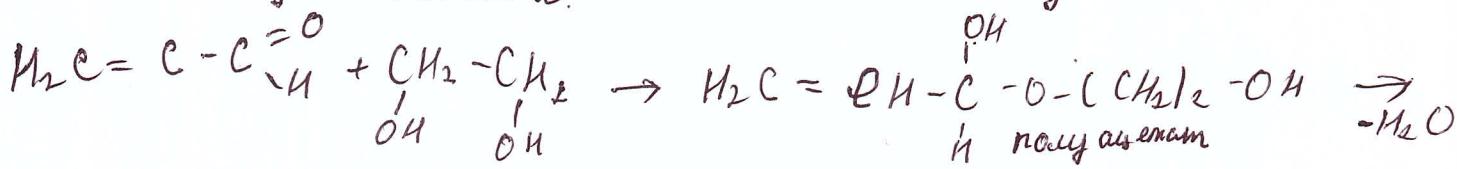
Шифр

024-2-X-97

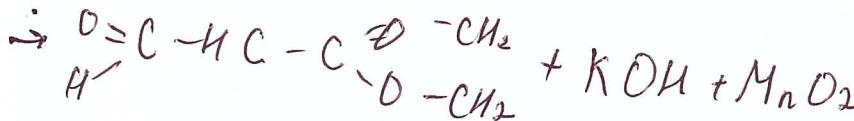


этаноликоль.

и получаем

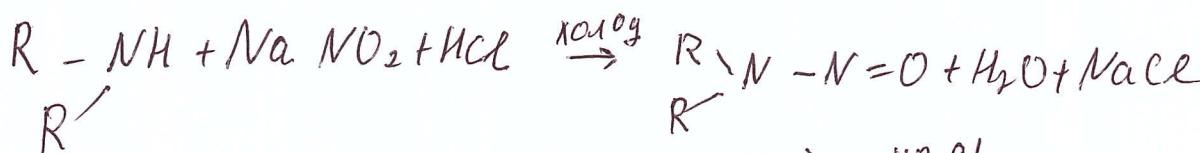


4



Задание 3:

Реакция R-ба с HCl и NaNO_2 - прода Фишера-Слаука.
Внешне - маслянистая жидкость жёлтого цвета наполовину
одиличия.



$$m(\text{C}) = 40,91 \text{ г}$$

$$m(\text{N}) = 31,82 \text{ г}$$

$$m(\text{O}) = 18,18 \text{ г}$$

$$m(\text{H}) = 9,09 \text{ г.}$$

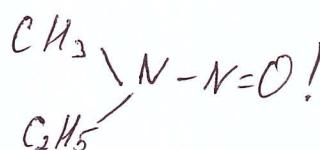
$$n(\text{C}) = \frac{40,91}{12,01} = 3,4$$

$$n(\text{N}) = \frac{31,82}{14,01} = 2,27$$

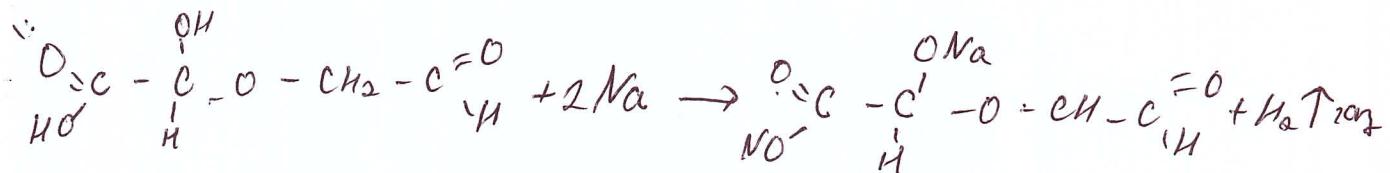
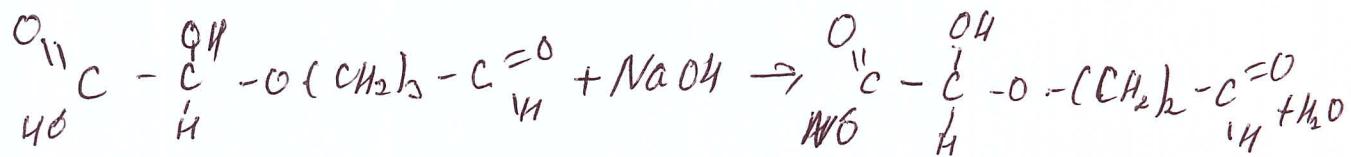
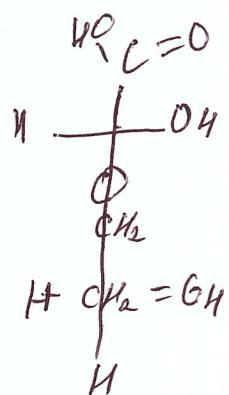
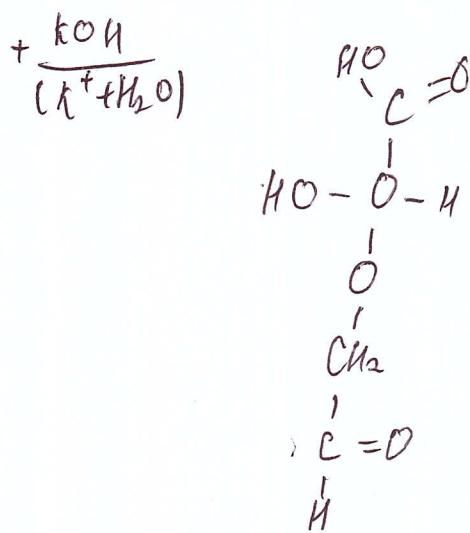
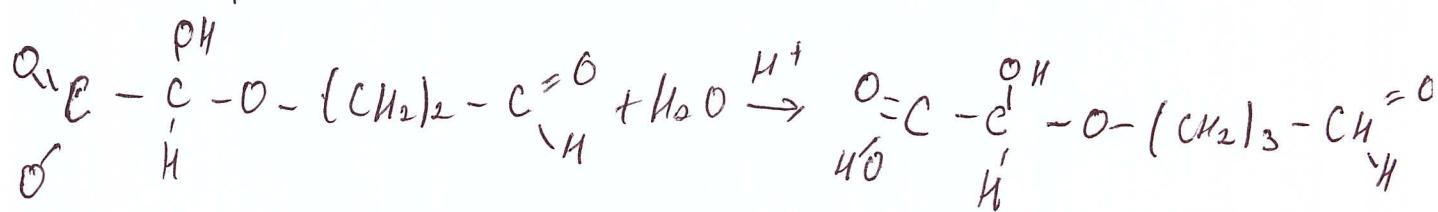
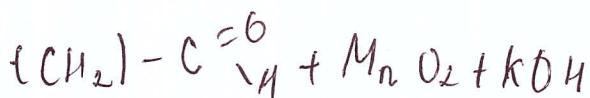
$$n(\text{O}) = \frac{18,18}{16,00} = 1,13$$

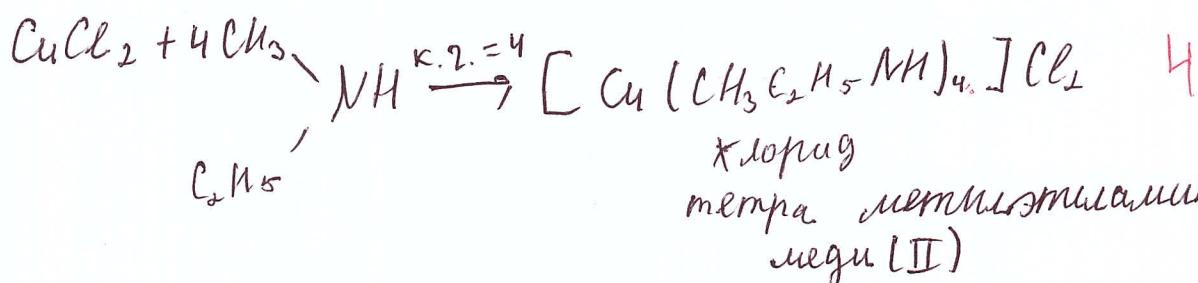
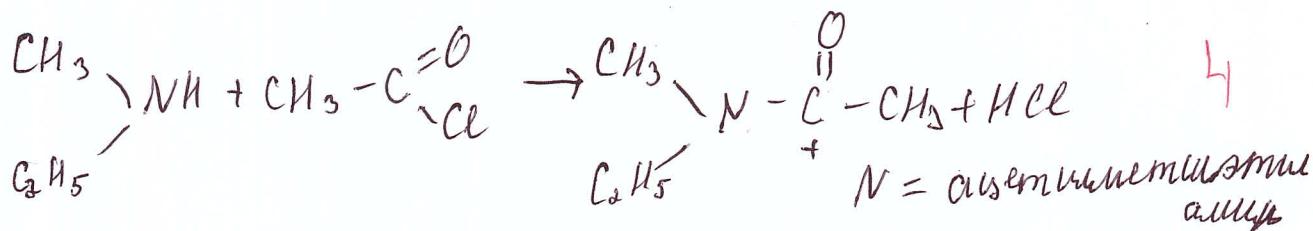
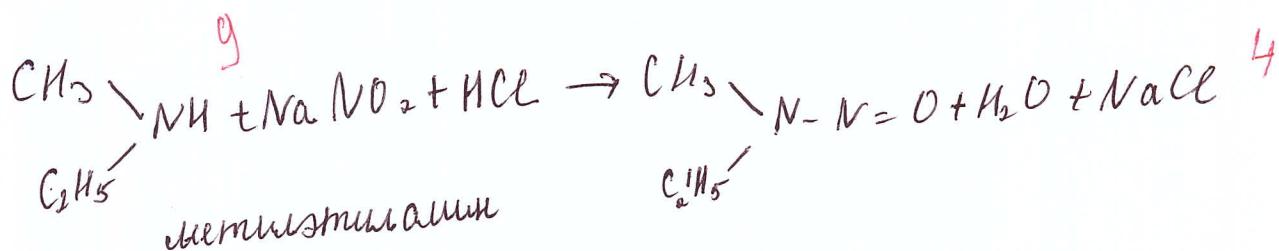
$$n(\text{H}) = \frac{9,09}{1,00} = 9,09$$

$\text{C:N:O:H} = 3:2:1:8$ 4

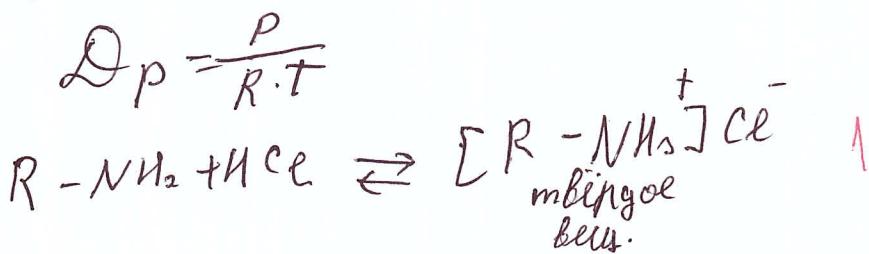


Задание 2.





Задание 4.



pT - субстрат . вправо (белое кристалл)

$$P = P_0 \cdot \frac{P}{P_0} \cdot \frac{T_0}{T}$$

$$P = \frac{P}{RT}$$

$$T_0 = 20^\circ\text{C}$$

$$P_0 = 1,2 \text{ г/л}$$

$$P = 101,325 \text{ кПа} = 1 \text{ атм}$$