


$$(ab)c = a(bc)$$


ШИФР

[illegible][illegible][illegible]

Номер варианта	4		
----------------	---	--	--

10-33



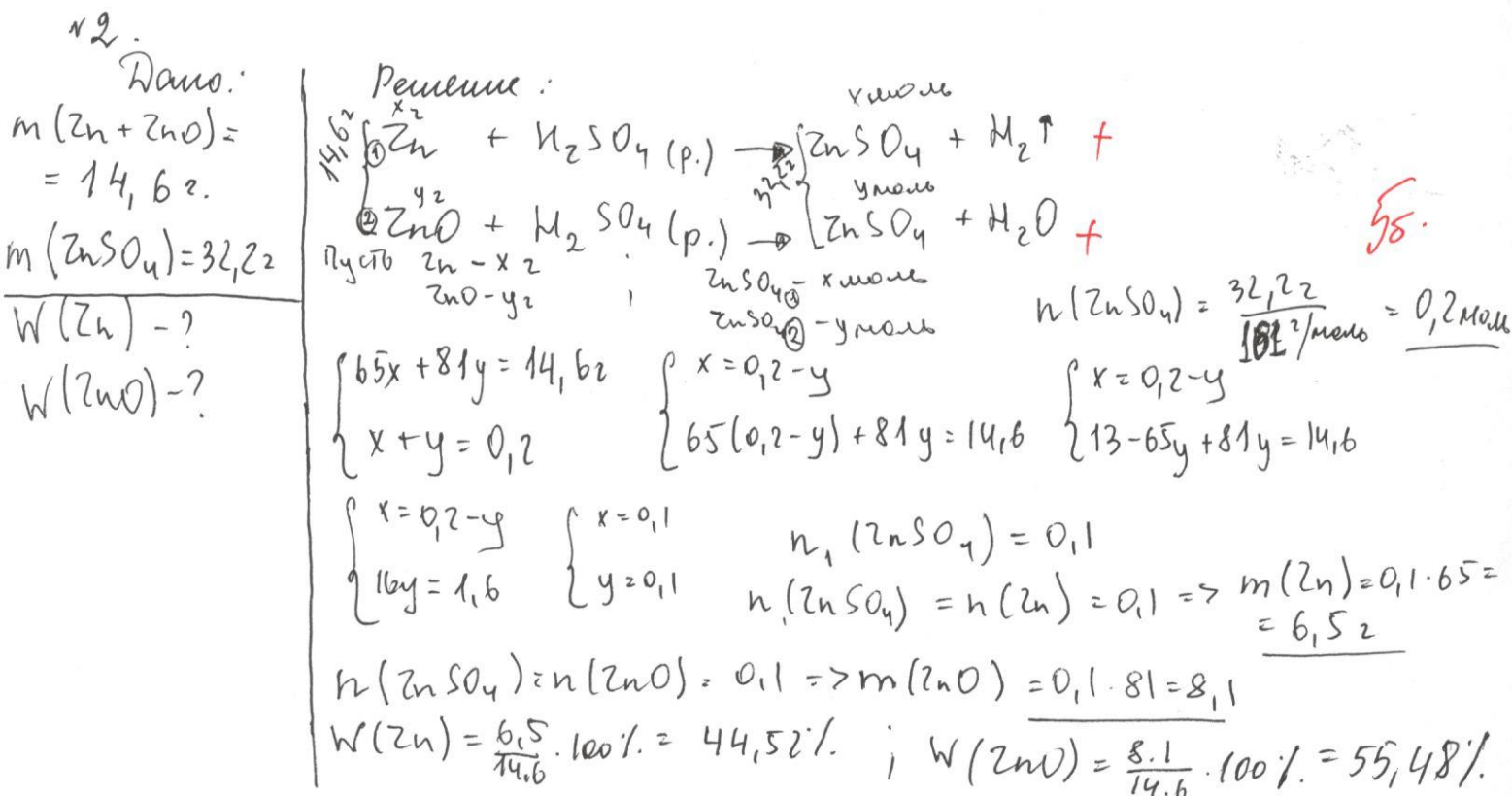
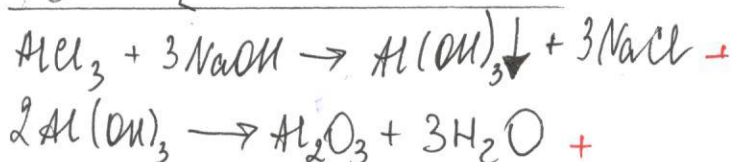
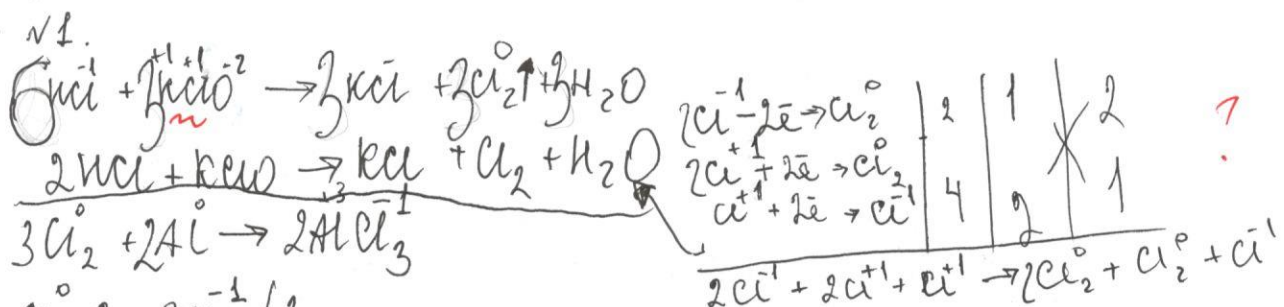
Класс 10

Вариант 4

Дата Олимпиады 24.02.18

Площадка написания УГНТУ

Задача	1	2	3	4	5	6	Σ		Подпись
							Цифрой	Прописью	
Оценка	4	5	4,75	5	0,75	4,5	24	двадцать четыре	Дупонев

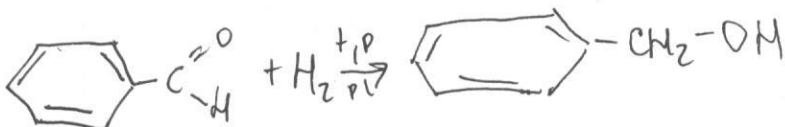
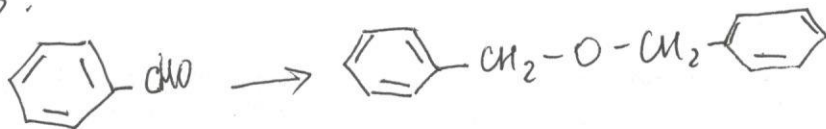




ШИФР _____

Ответ: $W(Zn) = 44,52\%$; $W(ZnO) = 55,48\%$.

N3.



4,485.



N4.

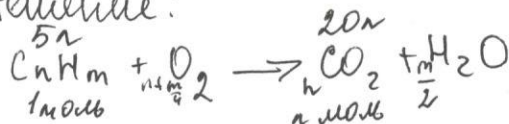
Дано:

$$V(C_nH_m) = 5 \text{ л}$$

$$V(CO_2) = 20 \text{ л}$$

$$m(H_2O) = 12,055 \text{ г}$$

Решение:



$$\frac{5}{1} = \frac{20}{n} \Rightarrow n = 4$$

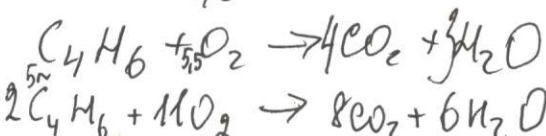
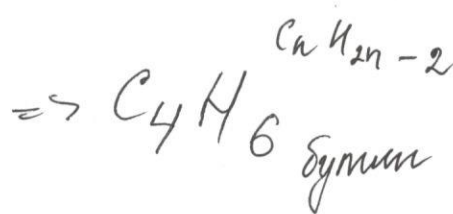
$$n(C_nH_m) = \frac{5 \text{ л}}{22,4 \text{ л/моль}} = 0,22 \text{ моль}$$

$$n(CO_2) = \frac{20 \text{ л}}{22,4 \text{ л/моль}} = 0,89 \text{ моль}$$

$$n(H_2O) = \left(\frac{12,055}{18} \right) \cdot 2 = 1,339$$

$$n(C) = \frac{0,89 \text{ моль}}{0,22 \text{ моль}} = 4 \text{ моль}$$

$$n(H) = \frac{1,339 \text{ моль}}{0,22 \text{ моль}} = 6 \text{ моль}$$



$$M(C_4H_6) = 54 \text{ г/моль}$$

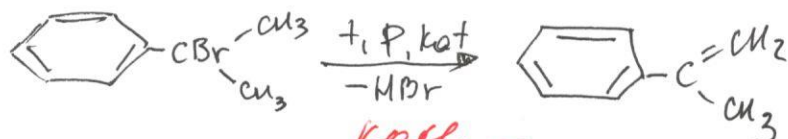
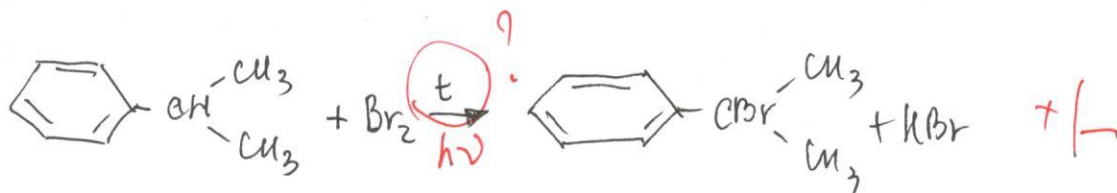
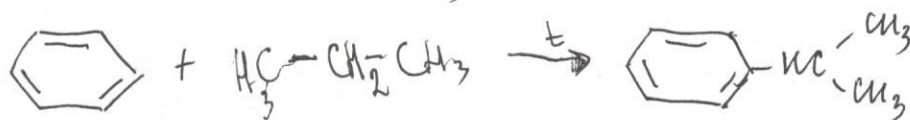
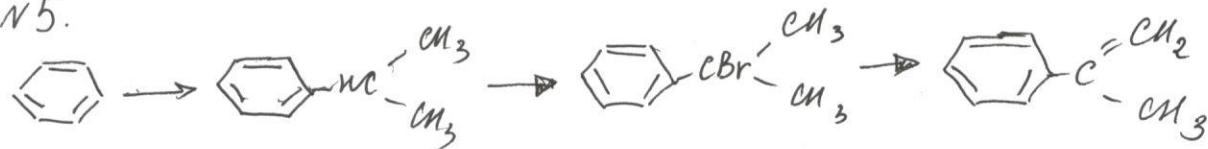
$$W(C) = \frac{12 \cdot 4}{54} \cdot 100\% = 89\%$$

$$W(H) = \frac{6}{54} \cdot 100\% = 11\%$$

58



№5.

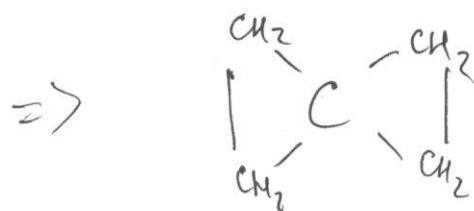
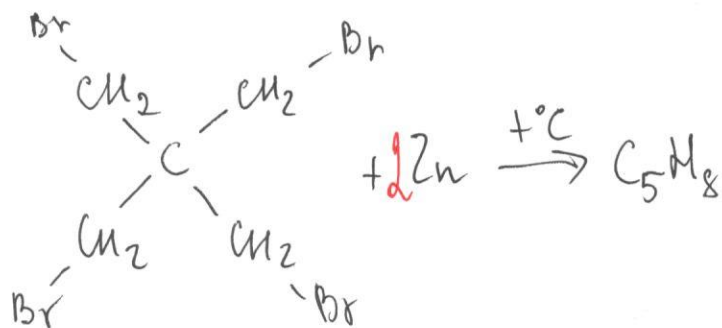


корр.
синтез

Ответ: 1-пропенилбензол

0,755.

№6.



+ 2 H2

4,55.

