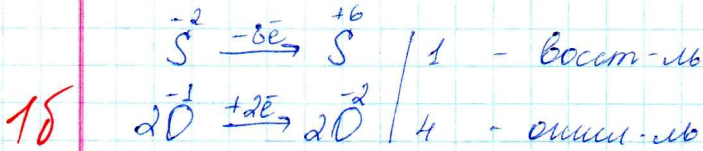
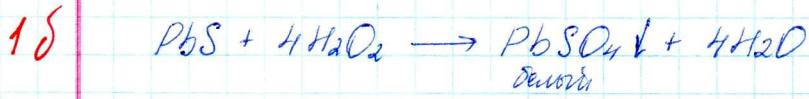
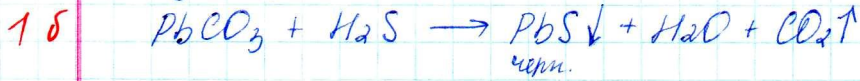


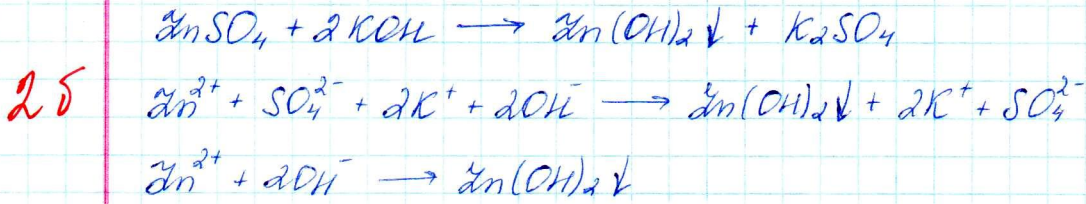
Олимпиадная работа  
по химии ученицы 11 "А" класса  
Платоновой Елизаветы

ш1.

10. Газ, возникающий при разложении -  $H_2S$  (сероводород)



ш2.



ш5.

В-во А - органический сульфид

Б - соль сульфата

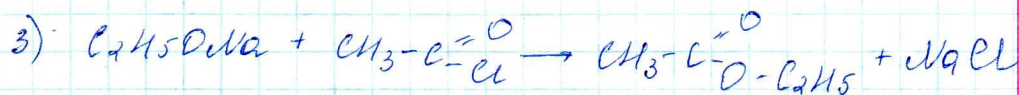
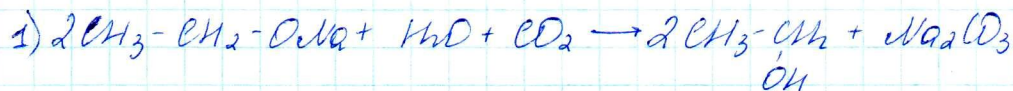
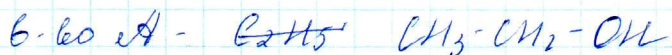
В - бромпроизводное алкана

Формула В-ва В -  $C_n H_{2n+1} Br$

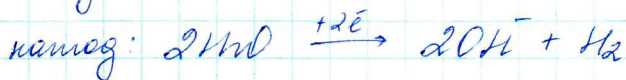
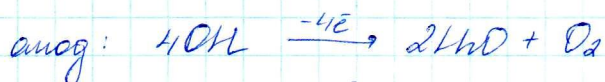
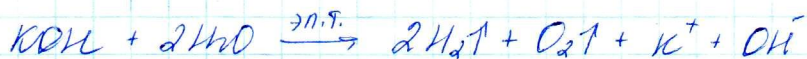
$$\frac{80}{14n + 2n + 1 + 80} = 0,695$$

$$16n + 81 = 115$$

$$n = 2 \Rightarrow \text{C}_2\text{H}_5\text{Br} - \text{6. ko B}$$



№ 4.



$$m_{\text{p-n}}(\text{KOH}) = \rho \cdot V = 1,05 \cdot 2000 = 2100 \text{ g}$$

$$m(\text{KOH}) = 2100 \cdot 0,06 = 126 \text{ g}$$

$$D(\text{KOH}) = \frac{126}{56} = 2,25 \text{ моль} \Rightarrow D(\text{H}_2) = 2 \cdot 2,25 = 4,5 \text{ моль}$$

$$m(\text{H}_2) = 4,5 \cdot 2 = 9 \text{ g}$$

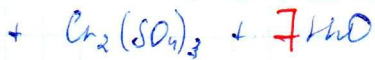
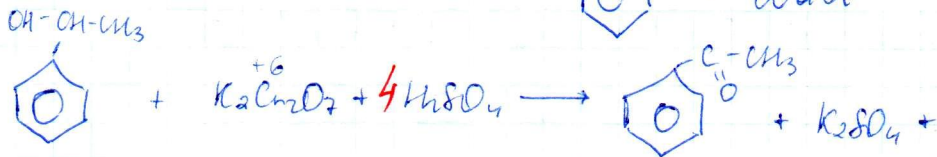
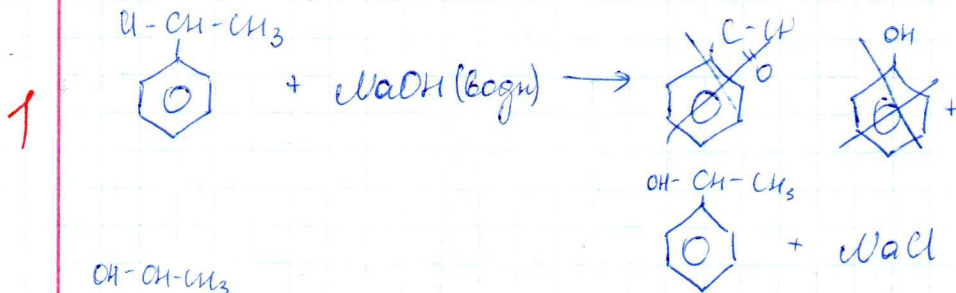
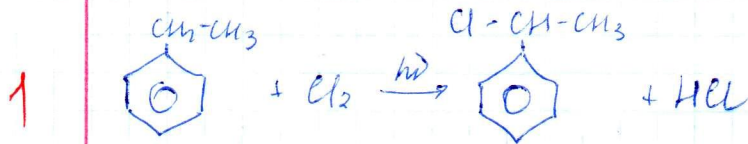
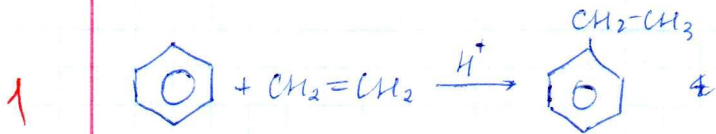
05.

35

15.

$$D(O_2) = 2,25 \text{ моль}, m(O_2) = 2,25 \cdot 32 = 72 \text{ г}$$

УЗ.



с

Уточ:

145

Андрей.