

Дано:

$$m(\delta\text{-}9a) = 2,30 \text{ г}$$

$$D(\text{He}) = 11,50$$

$$V(\omega_L) = 2,24 \text{ л}$$

$$m(\text{H}_2\text{O}) = 2,20 \text{ г}$$

а) найти формулу?

б) изомерия?

Решение:

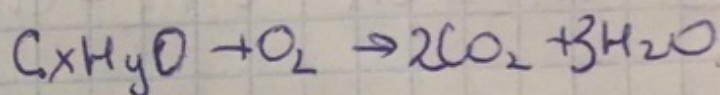
$$1) M_r(\delta\text{-}9a) = 11,50 \cdot 4 = 46 \frac{\text{г}}{\text{моль}}$$

$$n(\delta\text{-}9a) = \frac{m}{M_r} = \frac{2,30}{46} = 0,05 \text{ моль}$$

$$2) n(\text{H}_2\text{O}) = \frac{2,20 \text{ г}}{18 \frac{\text{г}}{\text{моль}}} = 0,15 \text{ моль}$$

$$3) n(\omega_L) = \frac{2,24 \text{ л}}{22,4 \frac{\text{л}}{\text{моль}}} = 0,1 \text{ моль}$$

$$4) m(\delta\text{-}9a) = 0,05 \text{ моль} \cdot 46 = 2,3 \text{ г}$$



$$x=2 \quad y=6 \quad z=1$$

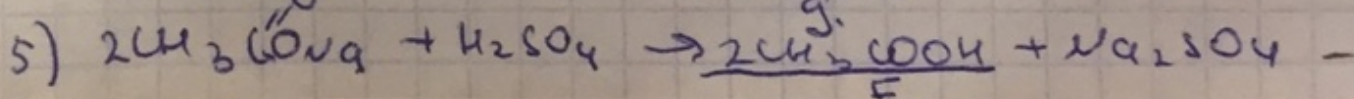
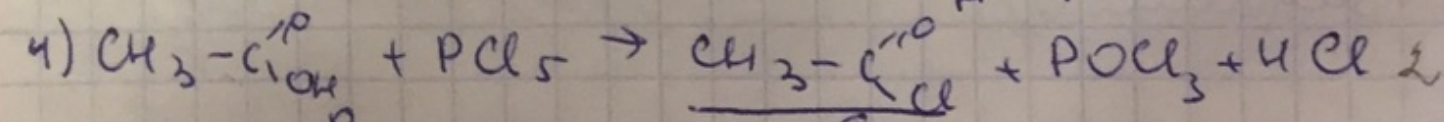
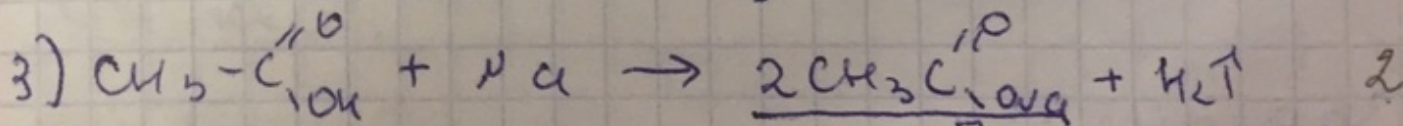
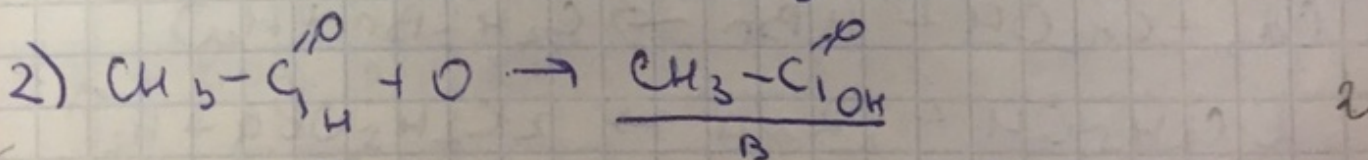
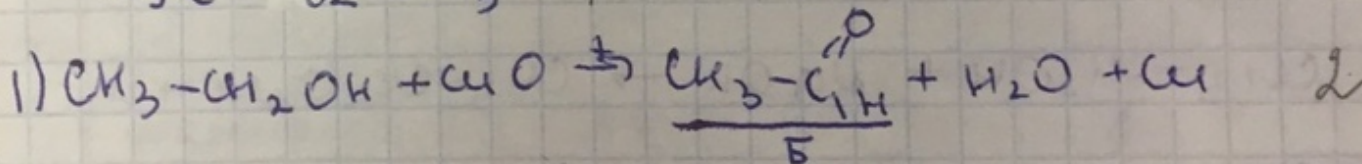
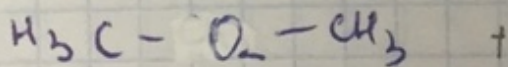
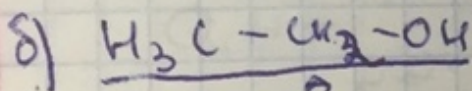
$$x : y : z = 0,05 : 0,1 : 0,15$$

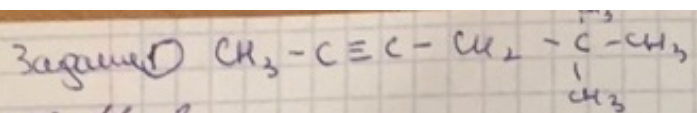
$$3 \quad 1 \quad 2$$

$$M_r(C_xH_y) = 2 \cdot 12 + 6 = 30 \Rightarrow$$

Есть O

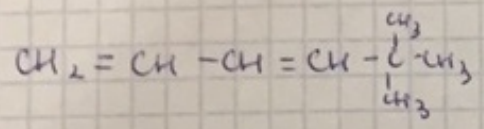
Ответ: C_2H_6O



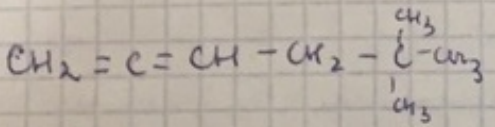


код 11-3

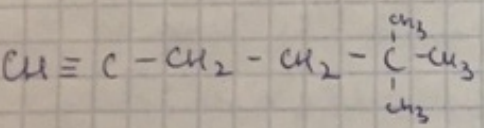
5,5-диметилпента-2



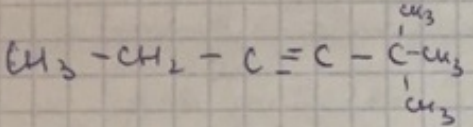
5,5-диметилпента-1,3



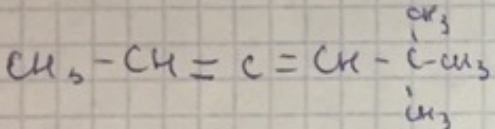
5,5-диметилпента-1,2



5,5-диметилпента-1



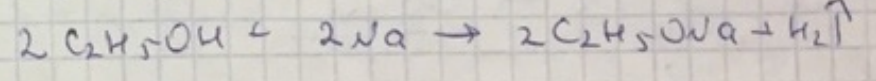
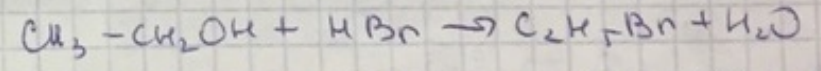
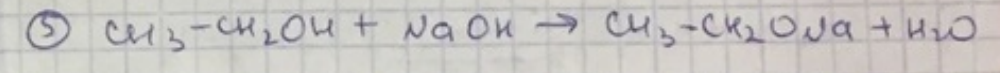
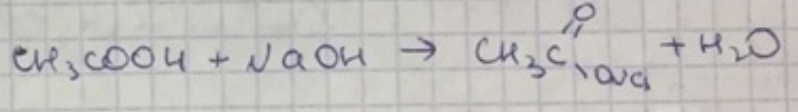
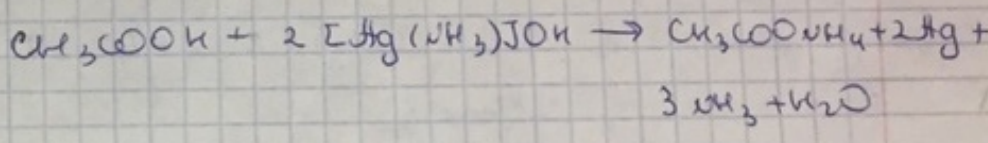
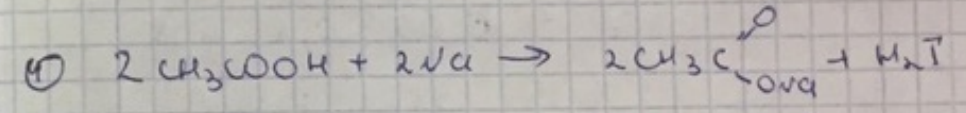
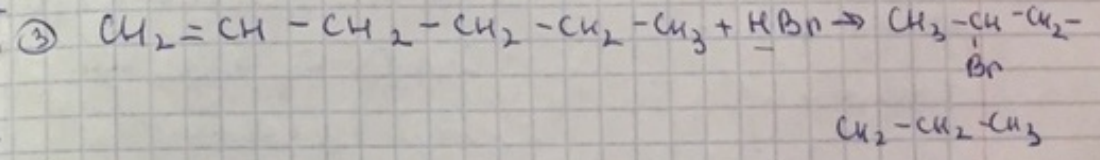
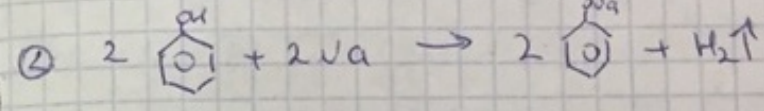
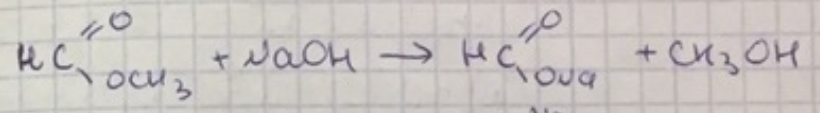
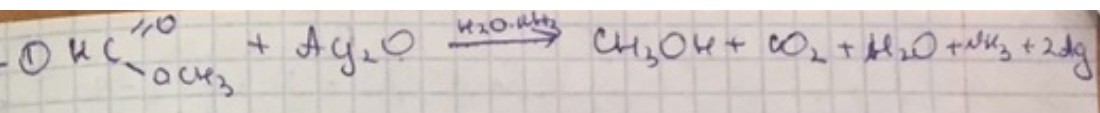
5,5-диметилпента-3



5,5-диметилпента-2,3

Задача 2) Пробирка:

- 1 - метиловий етер муравьиной к-ты +
- 2 - вод. р-р фенола -
- 3 - оксид +
- 4 - уксусная к-та +
- 5 - этилен -



Задача 3)