

$$M(CaCl_2) = 40 + 35.2 = 64 \text{ g/mol}$$

$$M(C_2H_2) = 12.2 + 2 = 26 \text{ g/mol}$$

$$172.5 \text{ g} - 100\% = 172.5 \text{ g} - 100\%$$

$$x = 15\%$$

$$x = 25.875 \text{ g} - \text{примеси}$$

$$172.5 - 25.875 = 146.625 \text{ g} - \text{чистое } C_2H_2$$

$$64 - 26$$

$$146.625 - x$$

$$x = \frac{146.625 \cdot 26}{64} = 59.56 \text{ g} - \text{примеси при выходе } 100\%$$

$$59.56 - 100\%$$

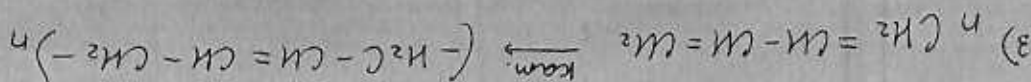
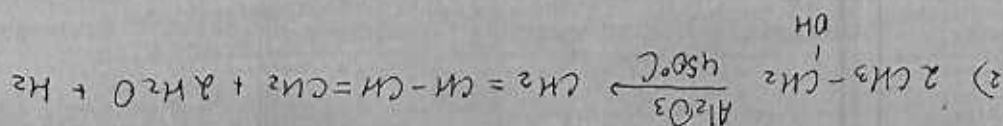
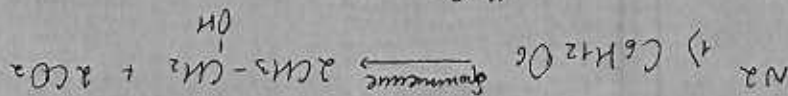
$$x - 80\%$$

$$x = 47.648 \text{ g} - \text{примеси при выходе } 80\%$$

$$6) \frac{47.648}{26} = 1.833 \text{ моль}$$

$$7) 1.833 \cdot 22.4 = 41.06 \text{ л}$$

$$\text{Ответ: } 41.06 \text{ л}$$

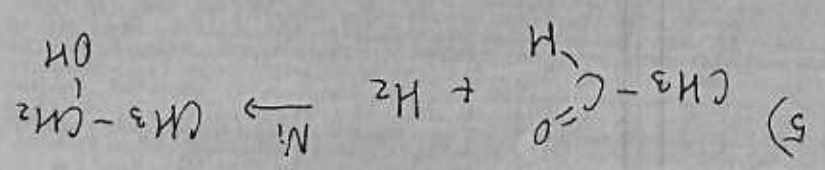
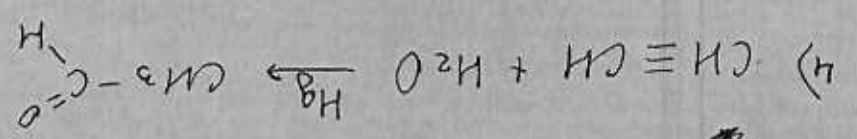
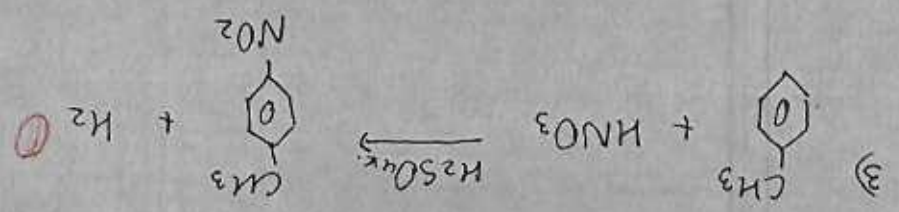
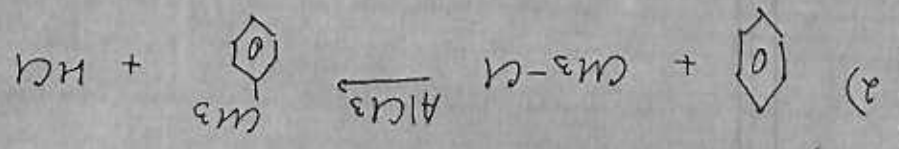
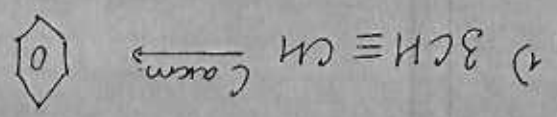


Продукт при взаимодействии 2 - не является мономером.
Продукт при взаимодействии 3 - полимер.

155

58

25



168

✓