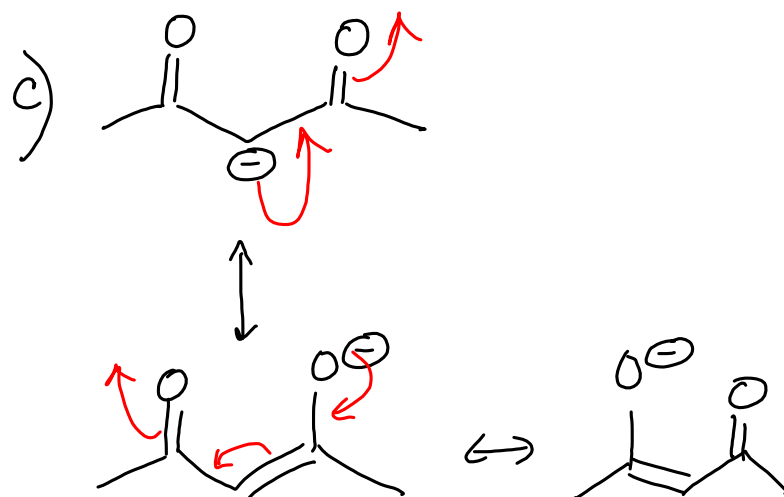
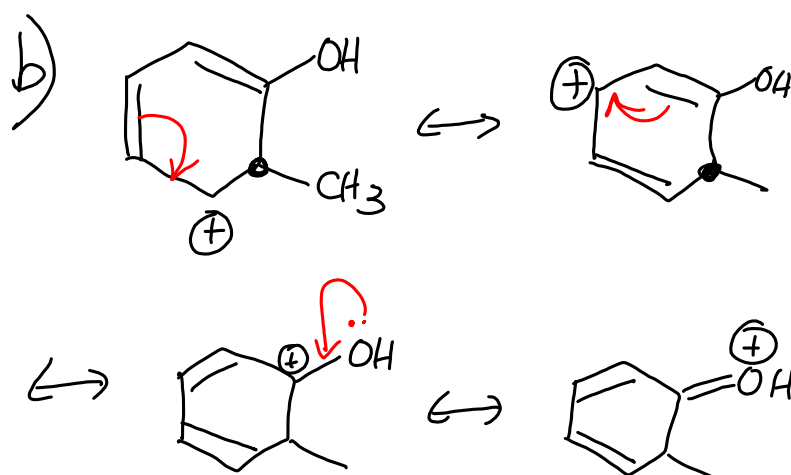
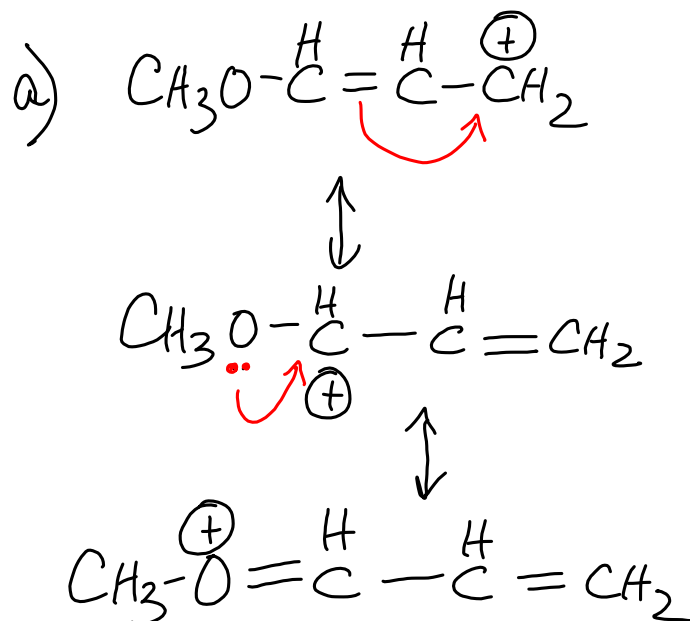
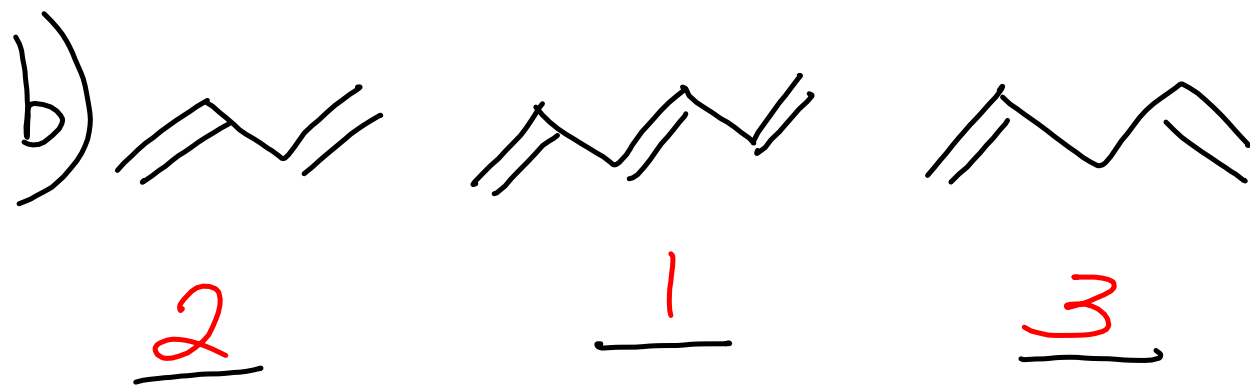
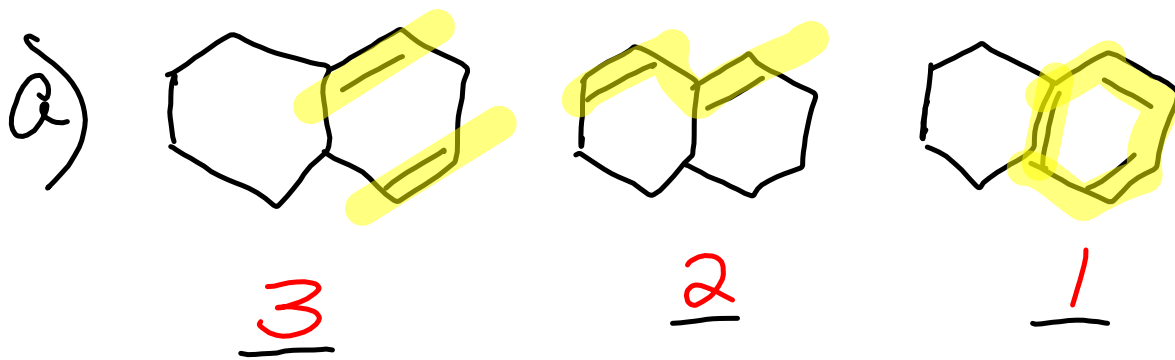


Chpt 14 HW

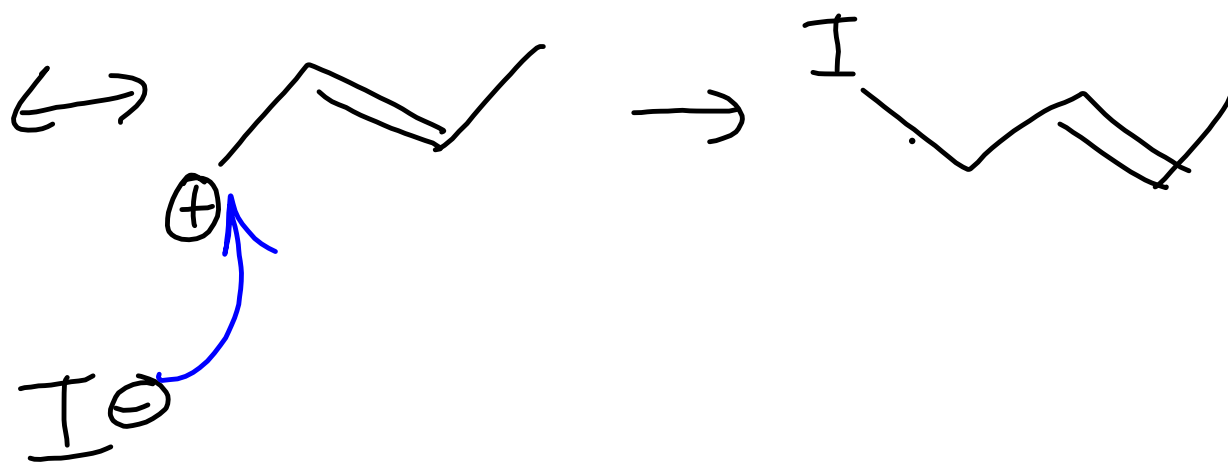
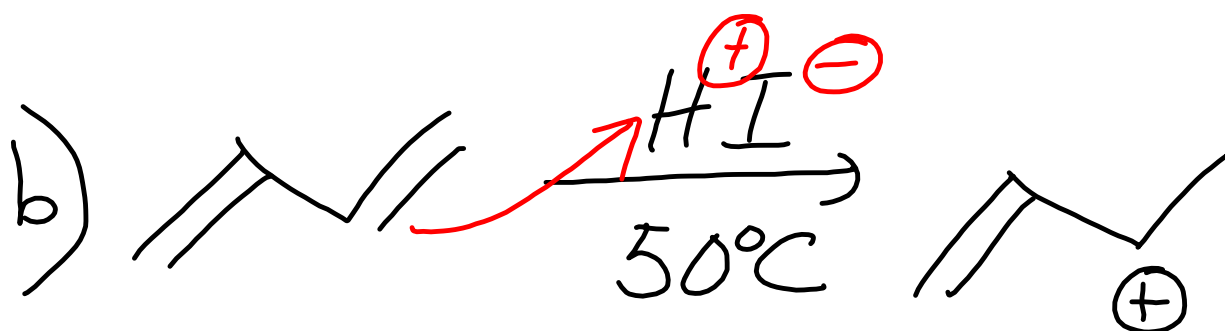
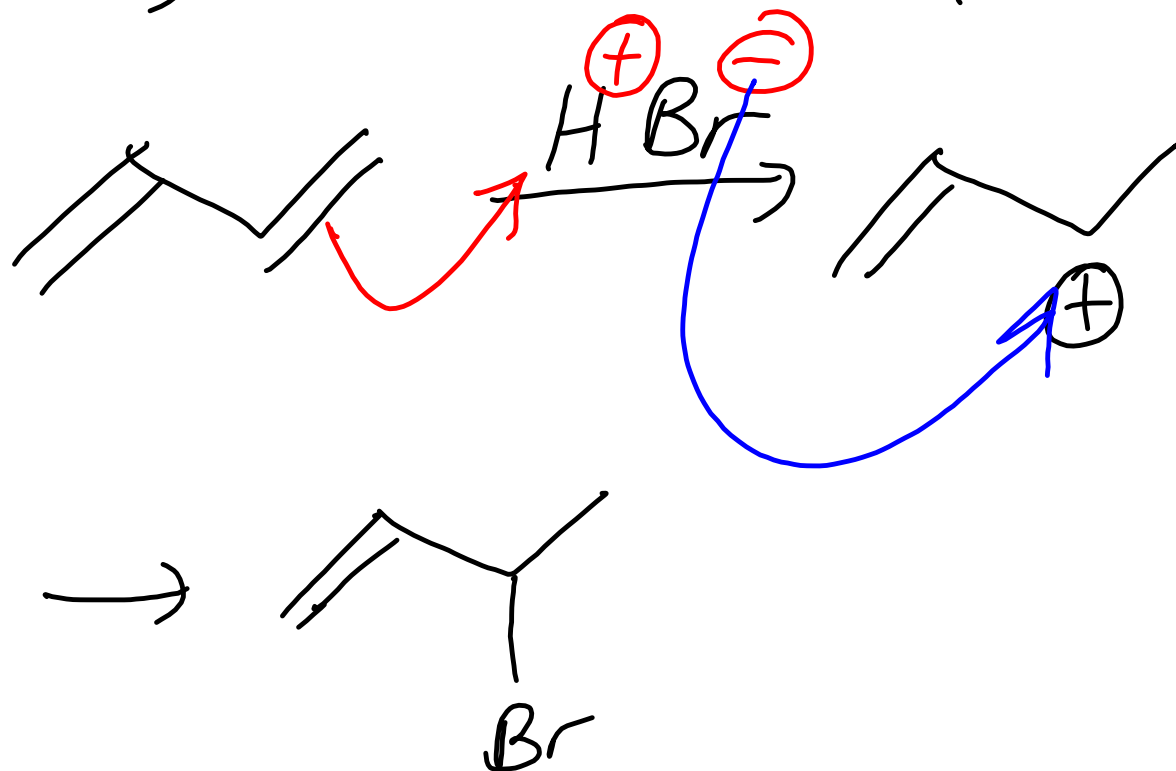
1. res structures

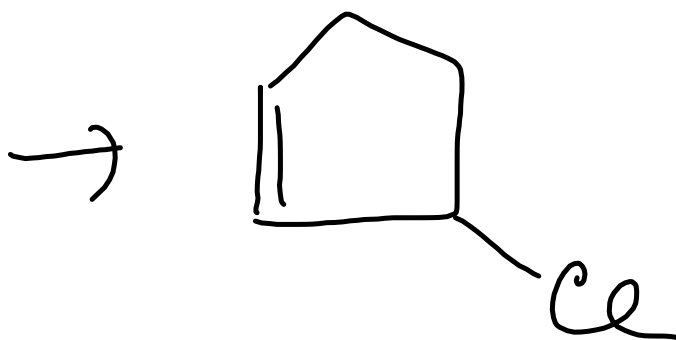
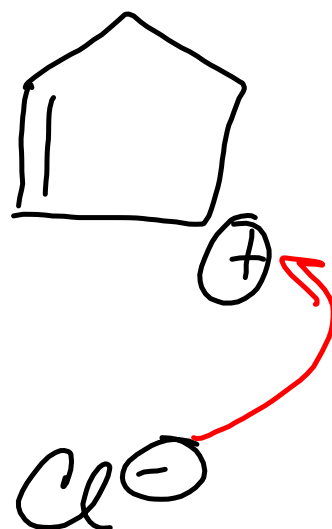
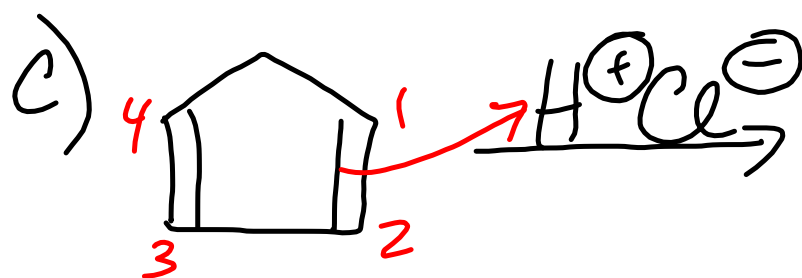


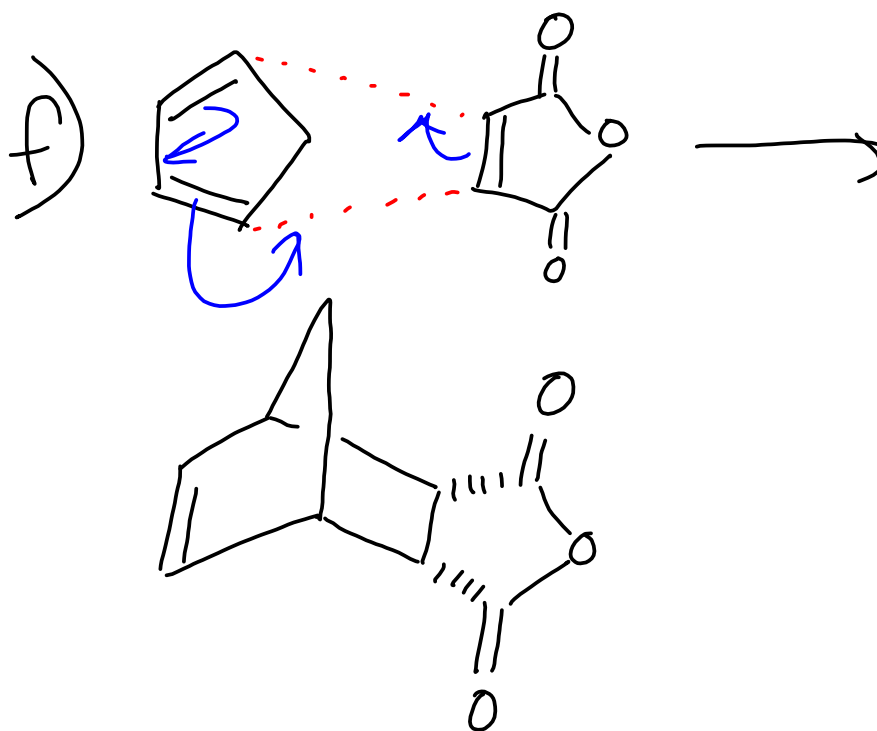
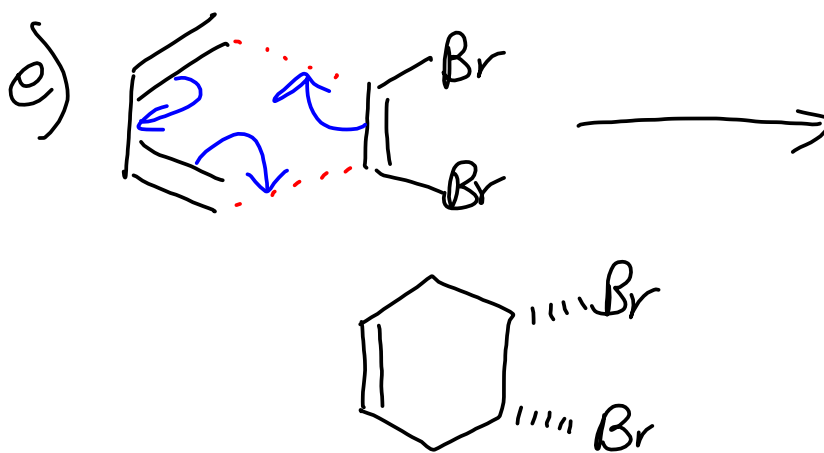
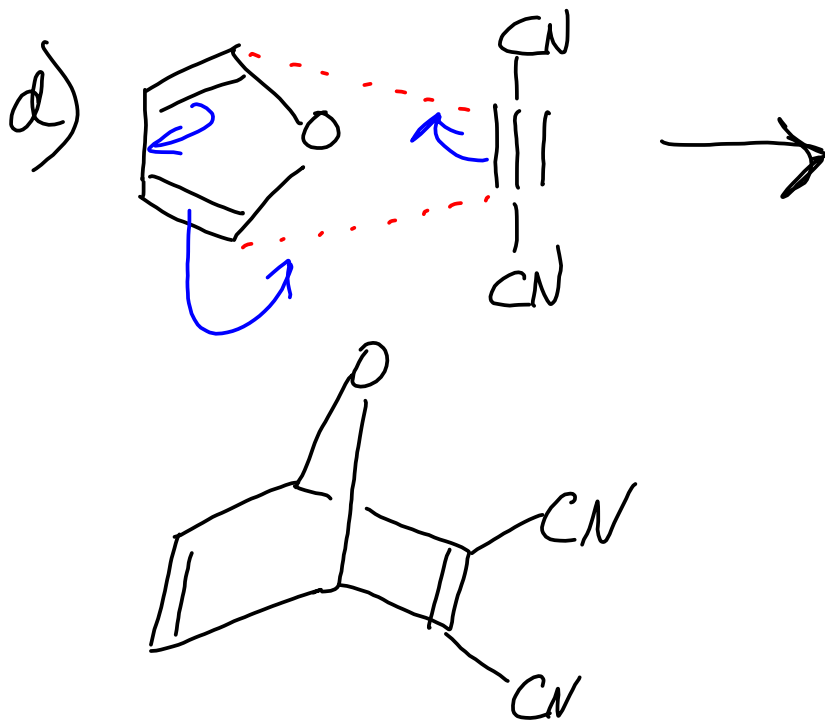
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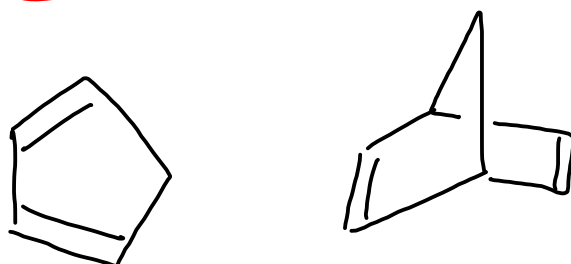
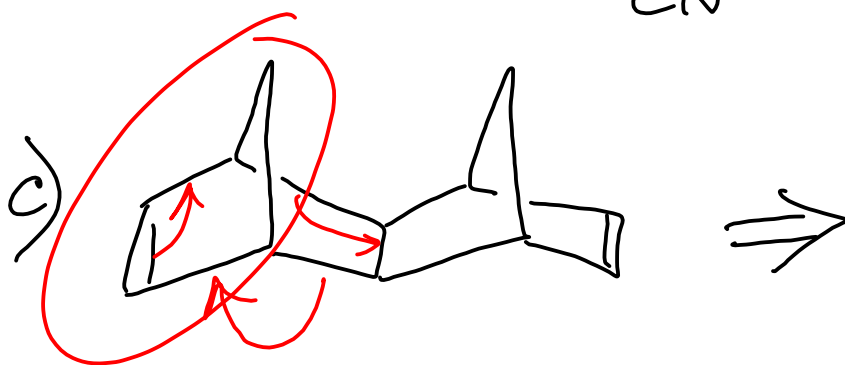
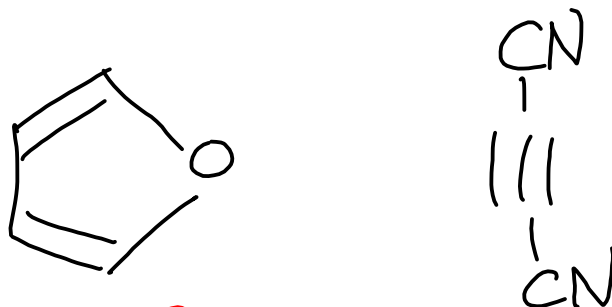
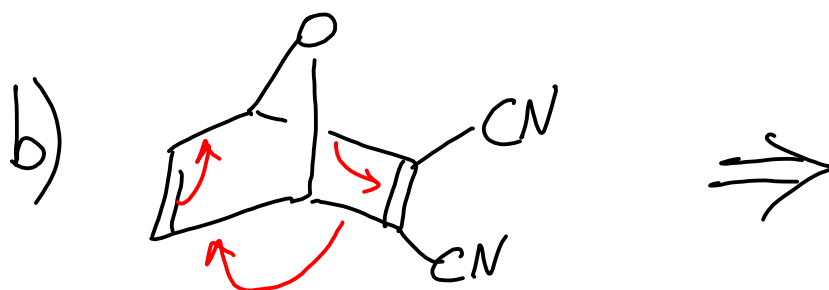
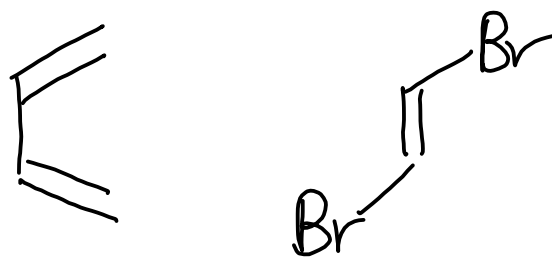
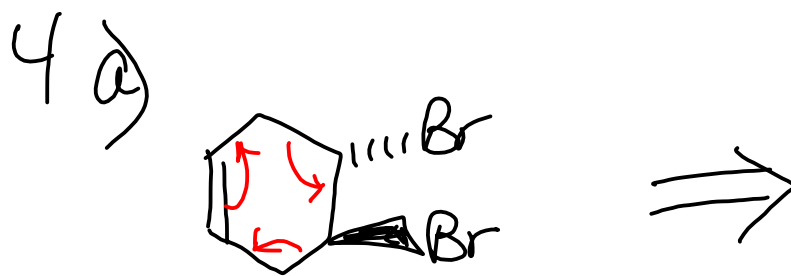


3. a) butadiene + HBr / -78°C

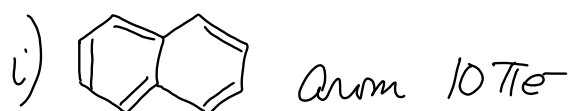
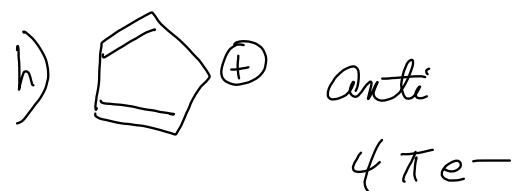
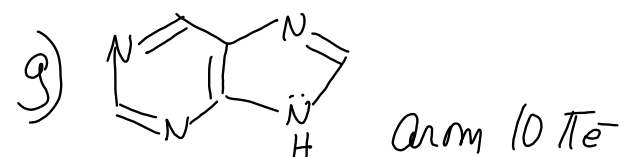
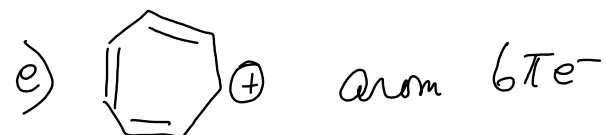
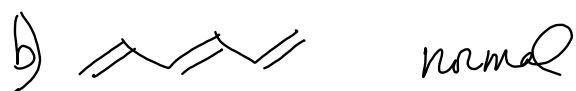




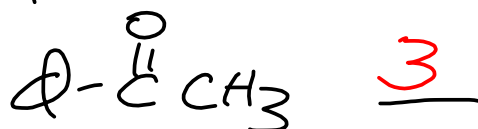
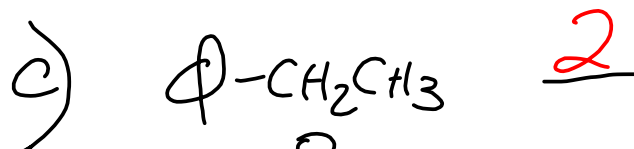
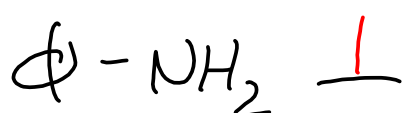
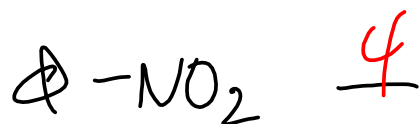
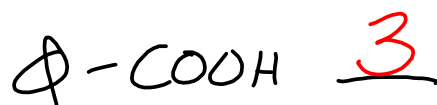
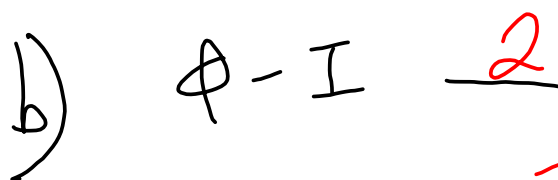
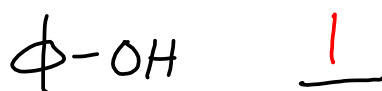
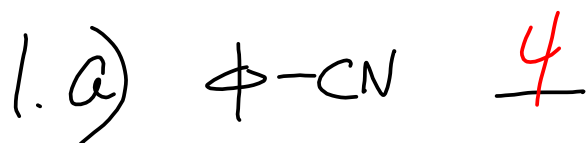


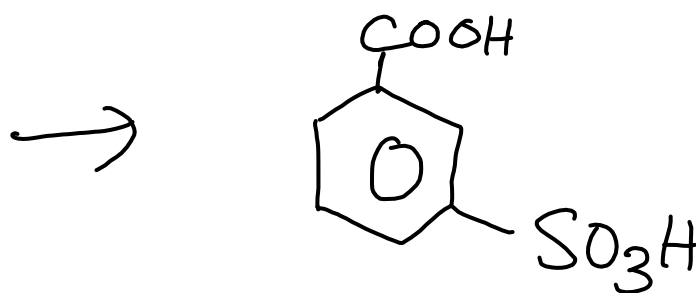
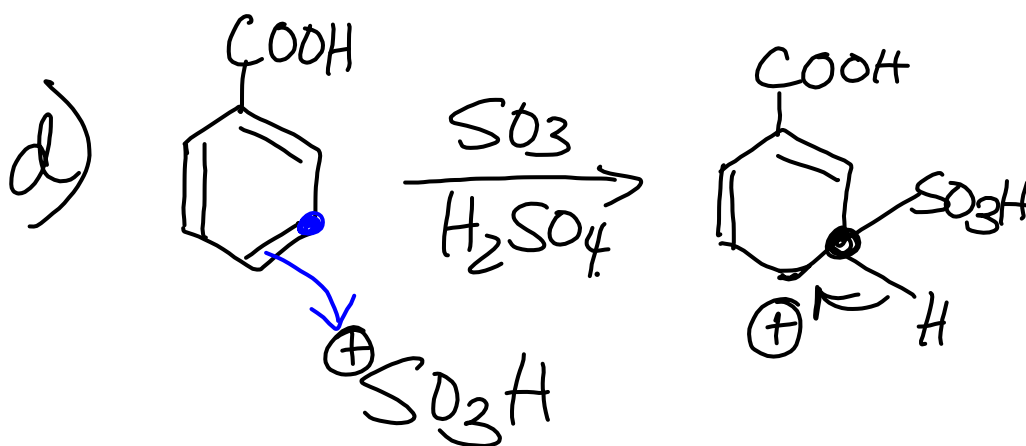
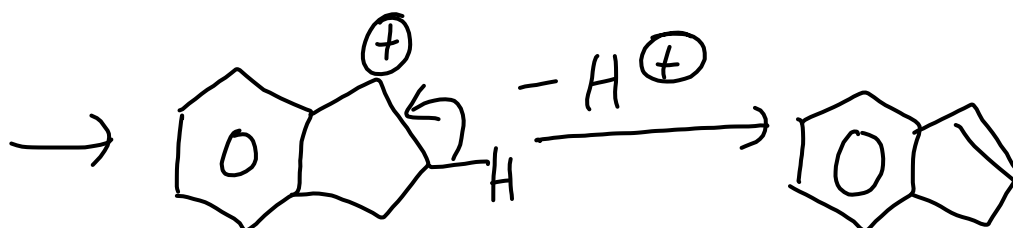
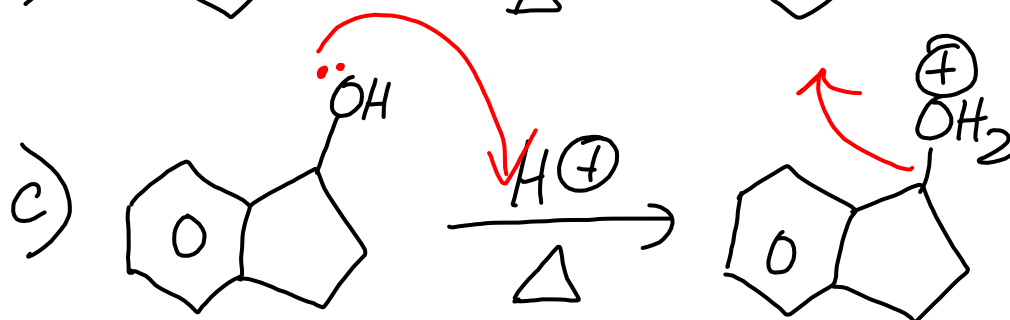
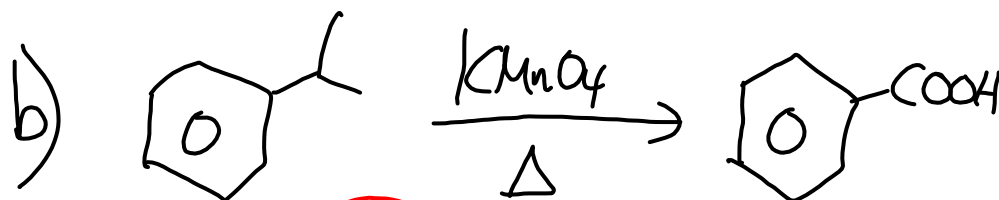
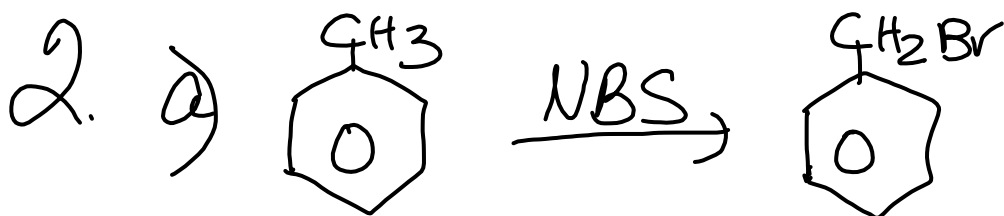


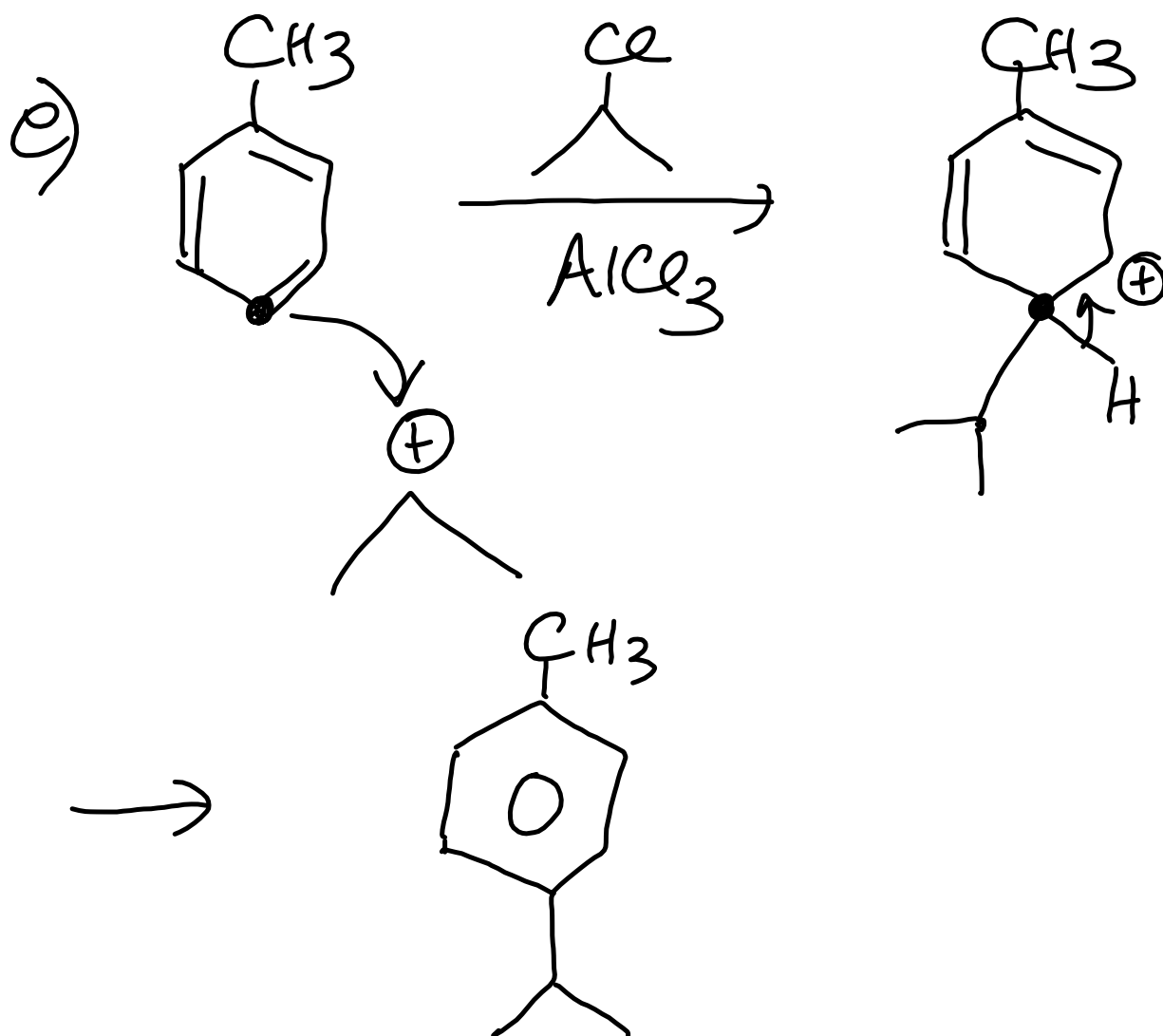
Chpt 15

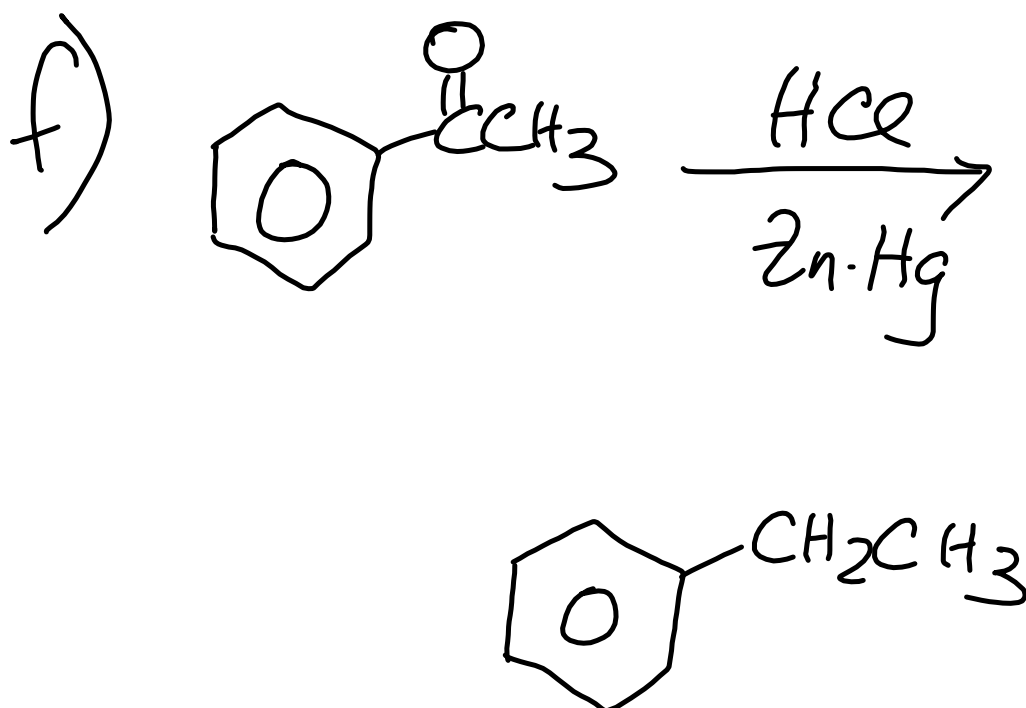


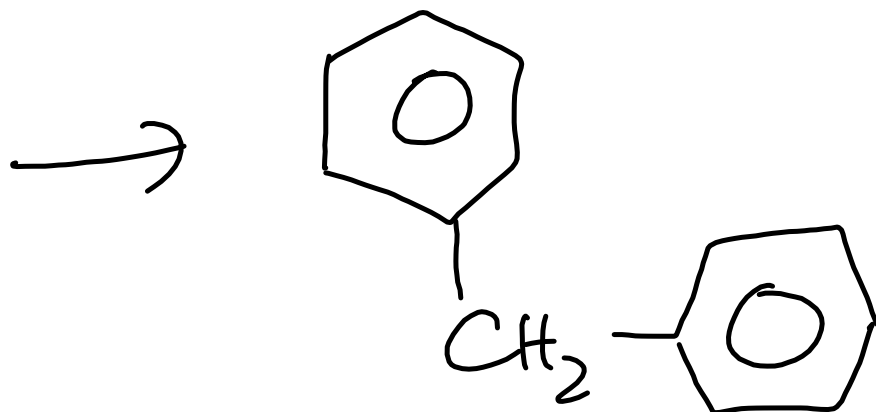
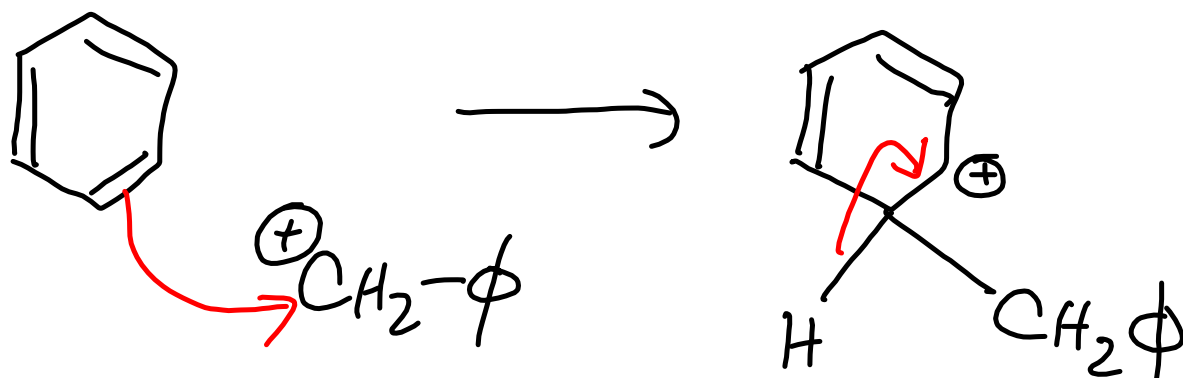
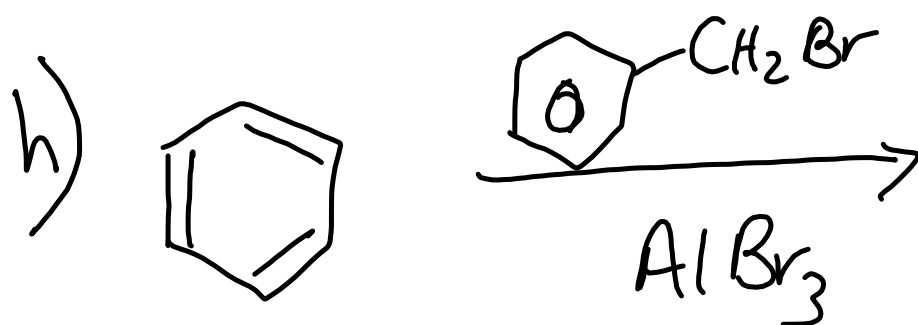
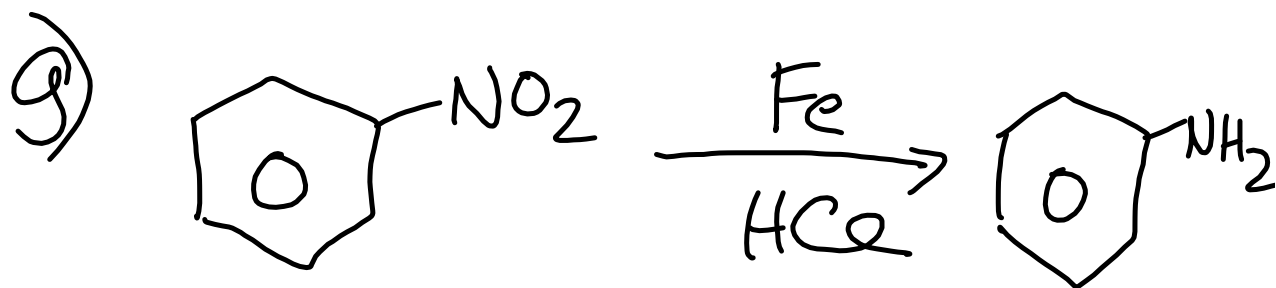
Chapt 16 HW

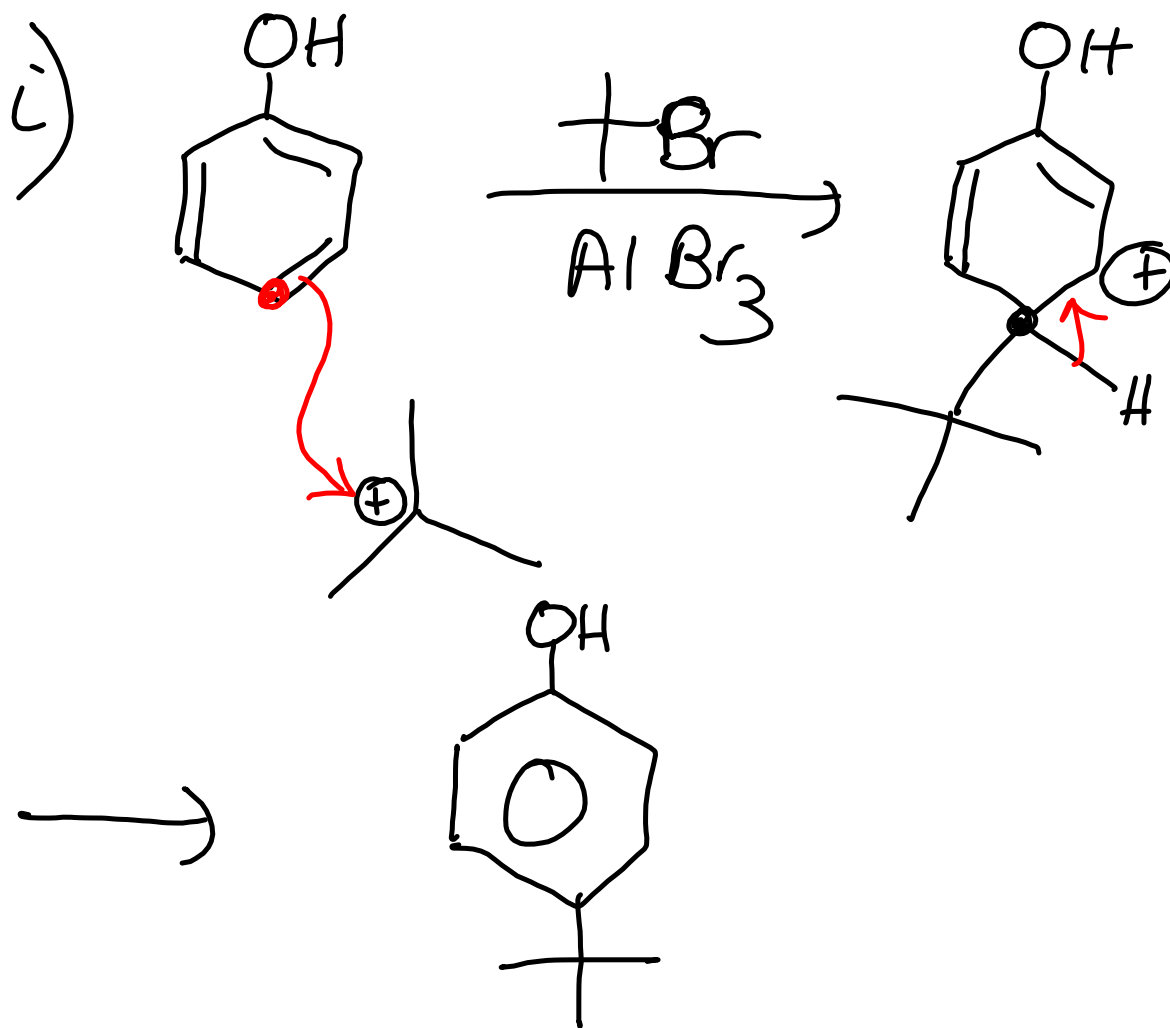


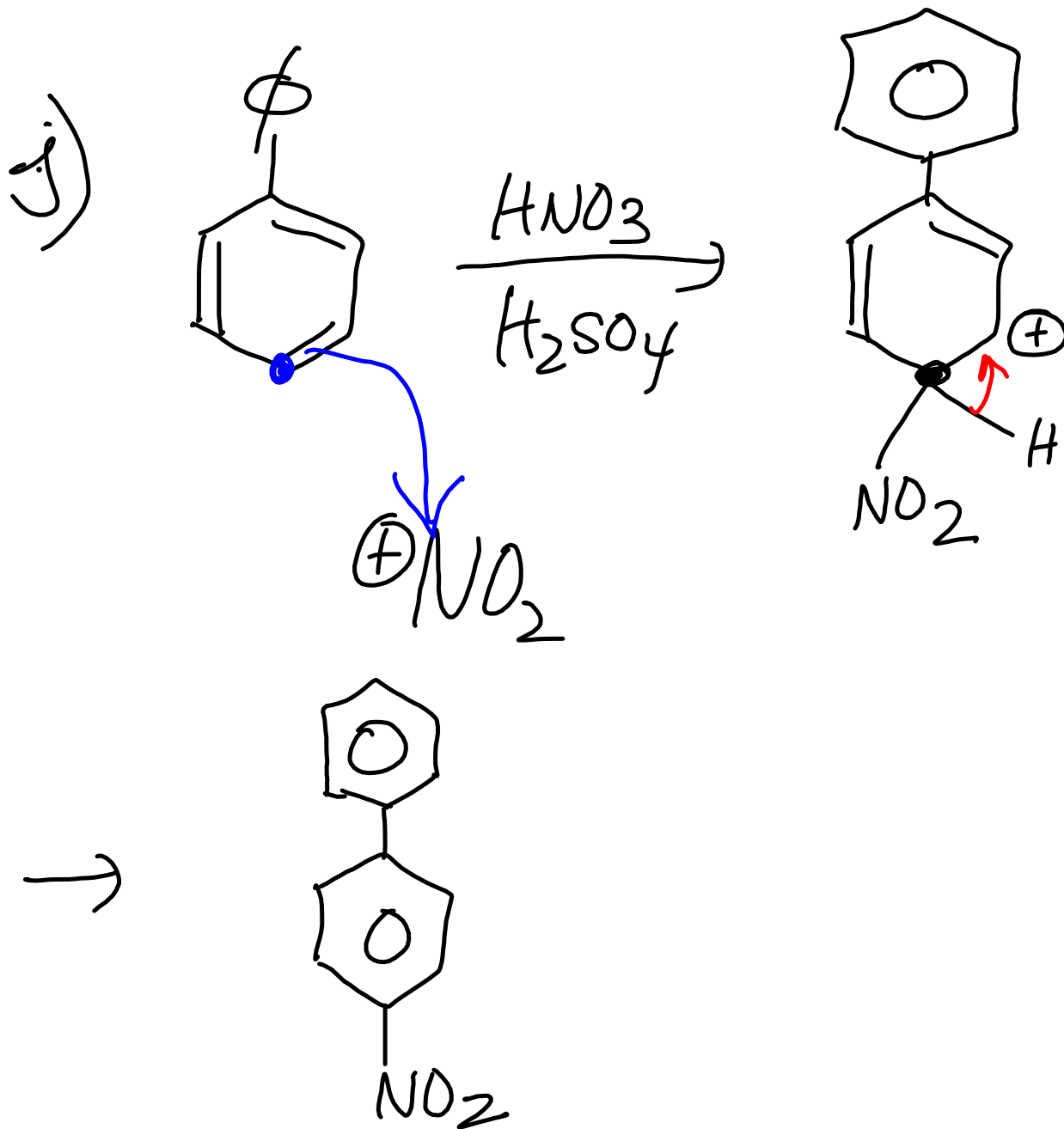


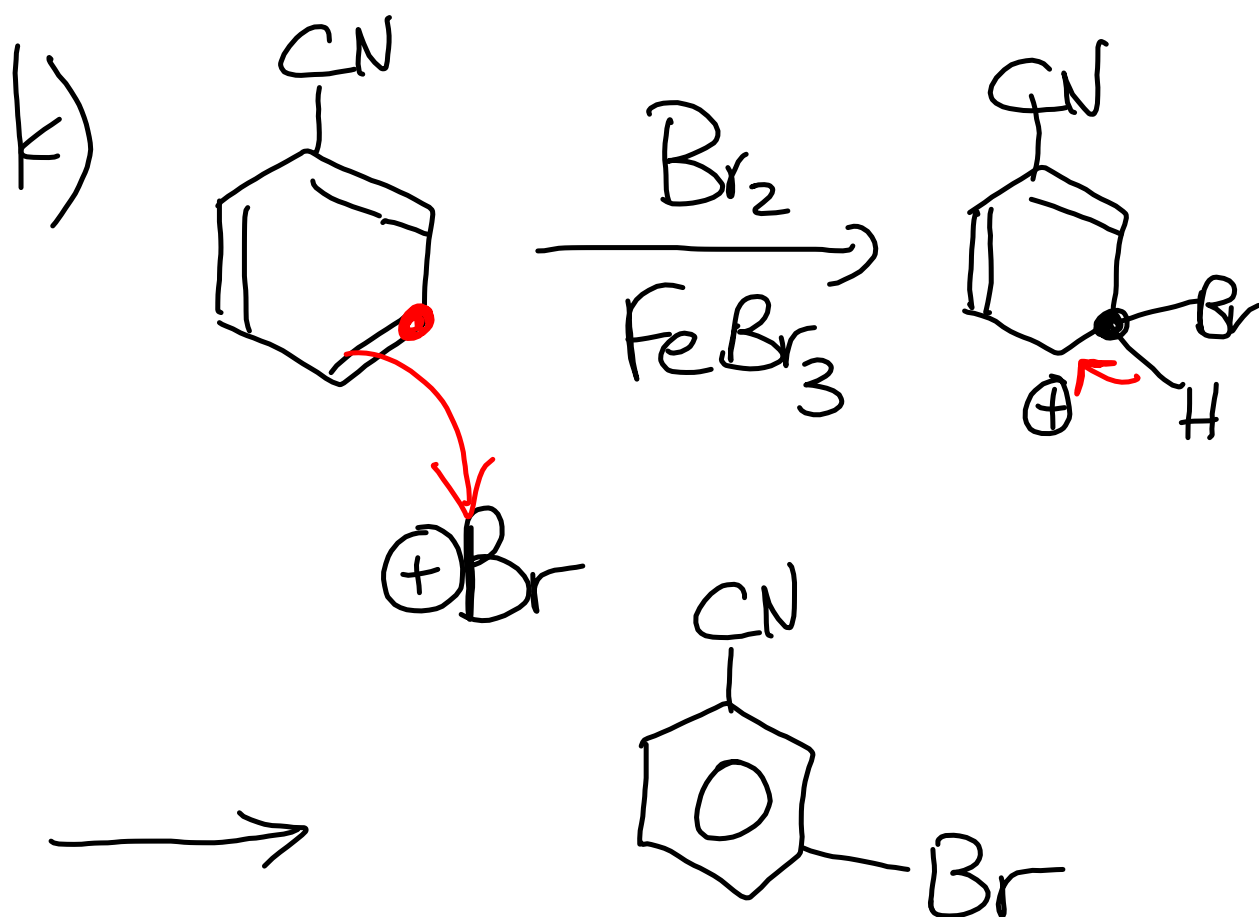


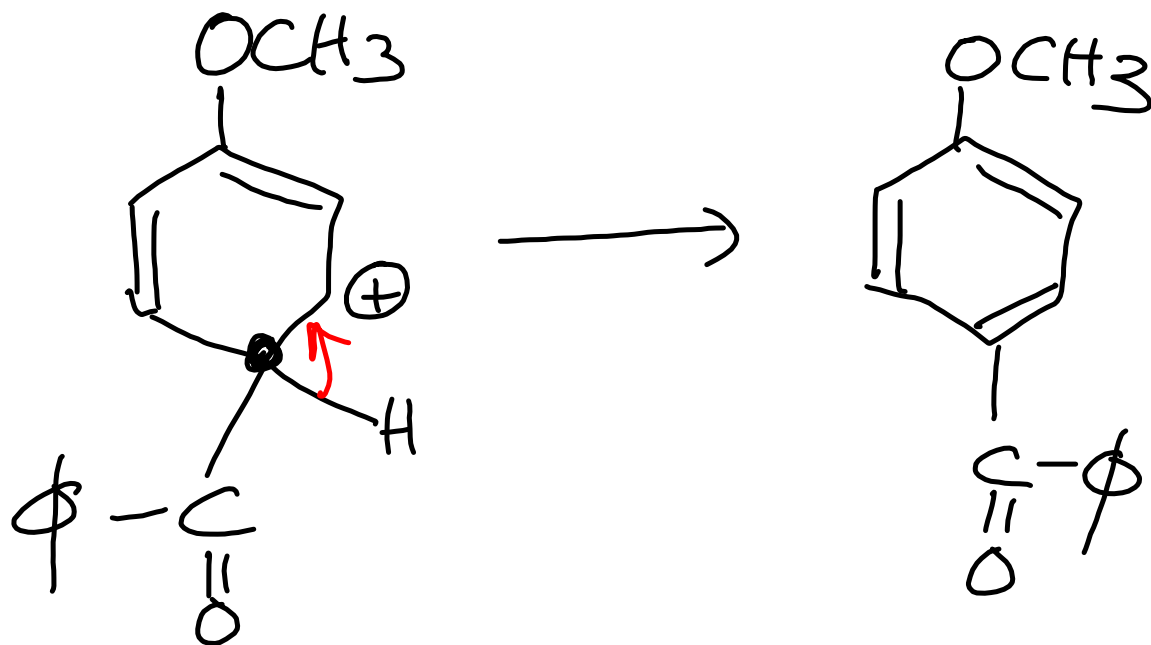
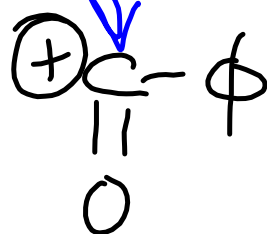
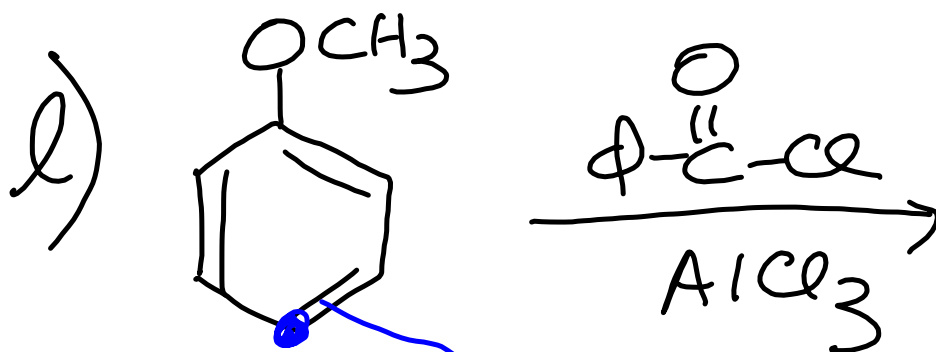


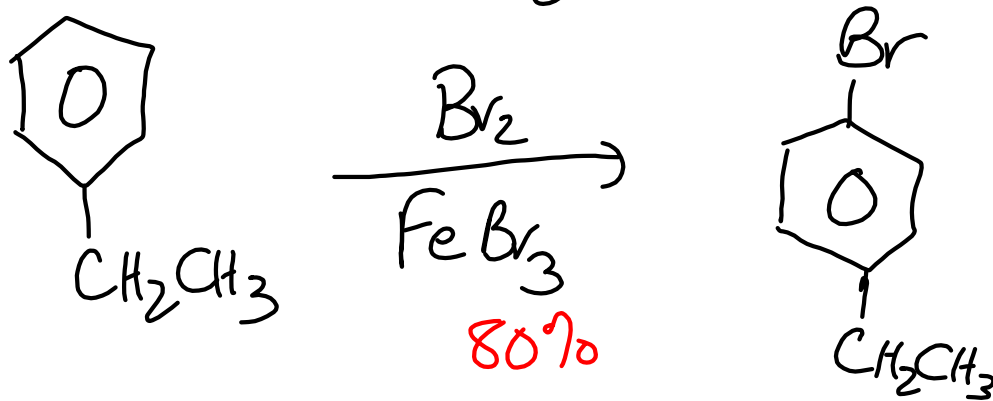
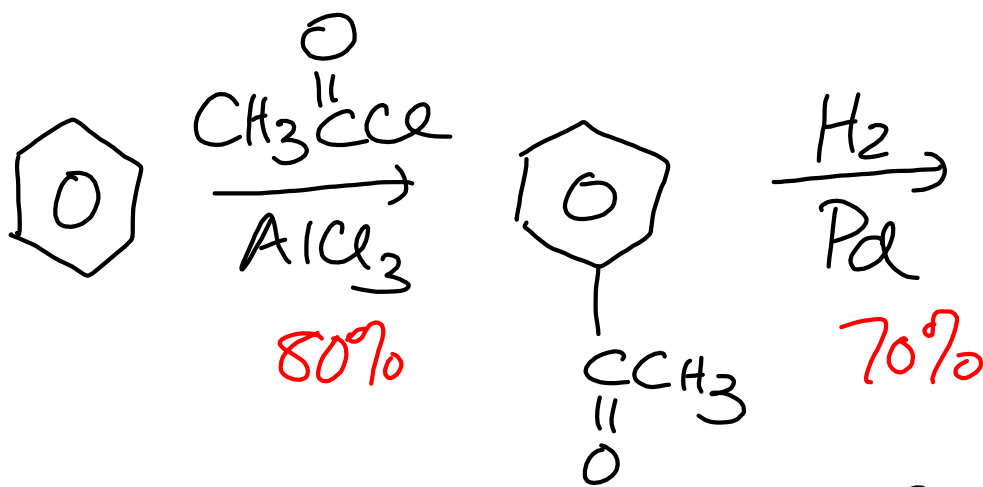
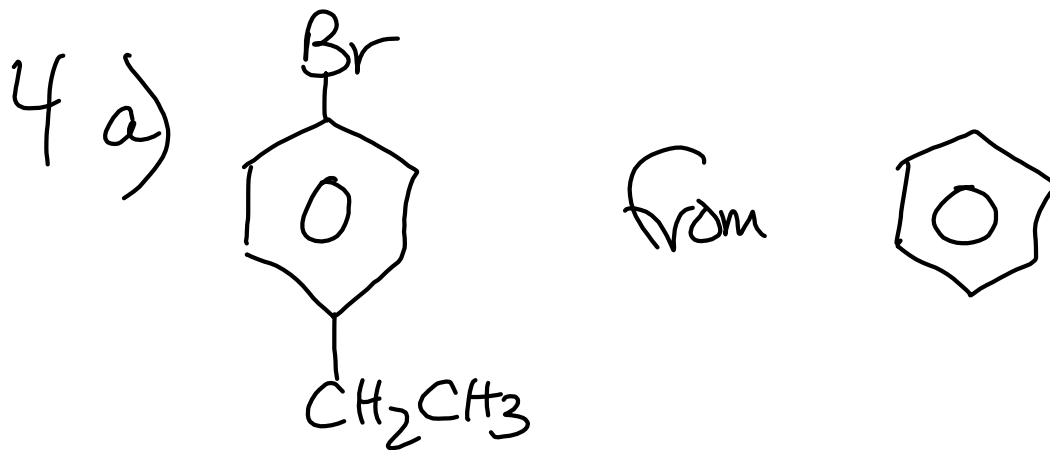








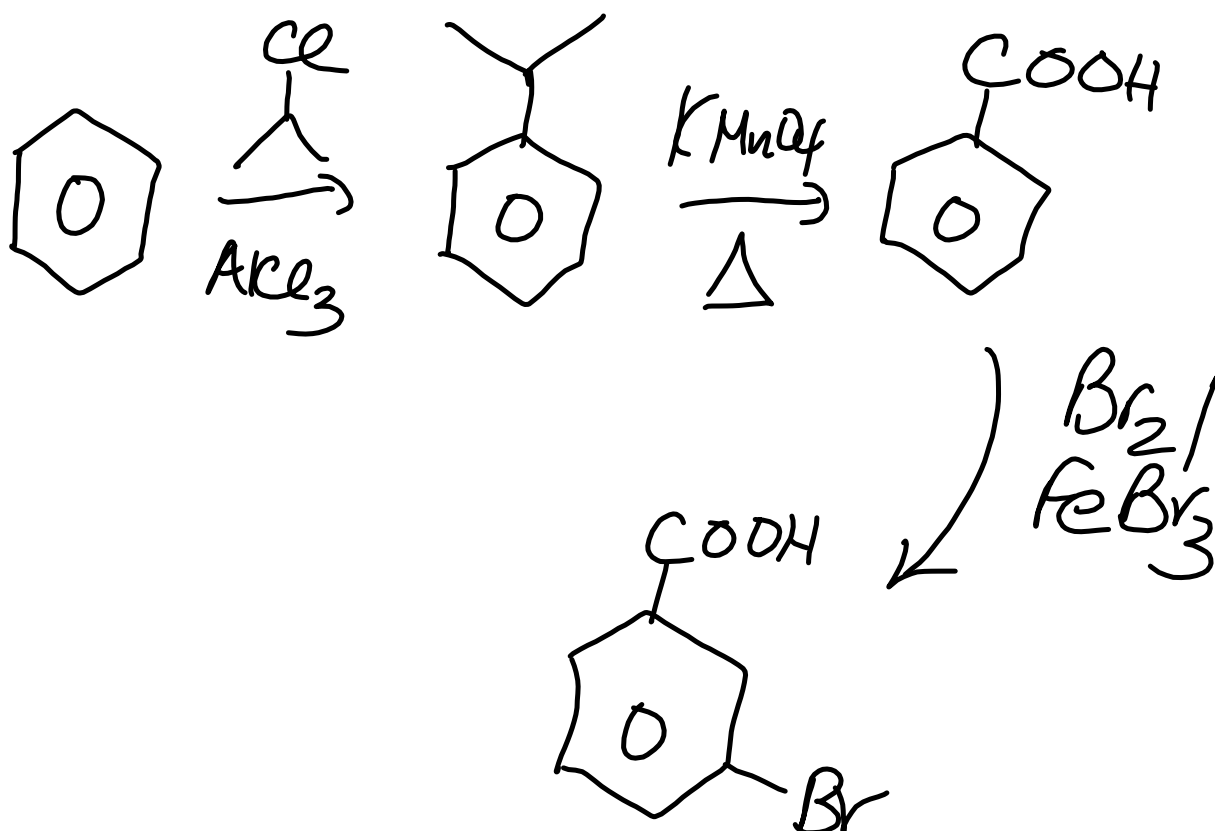
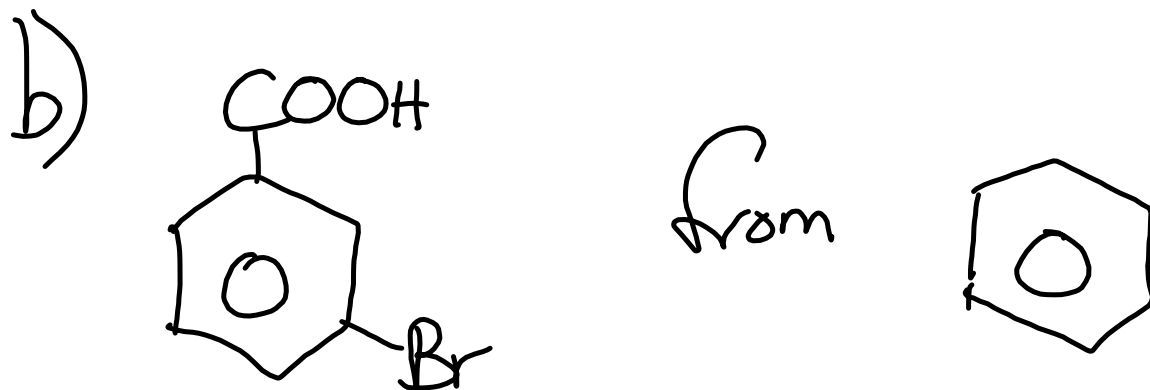


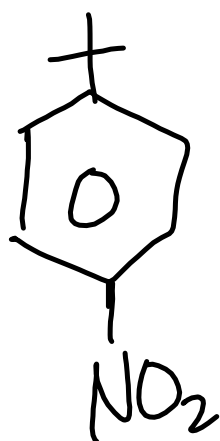
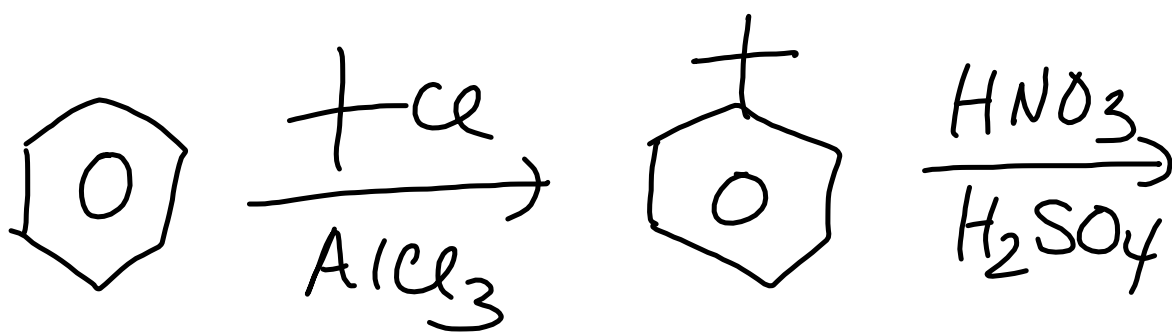
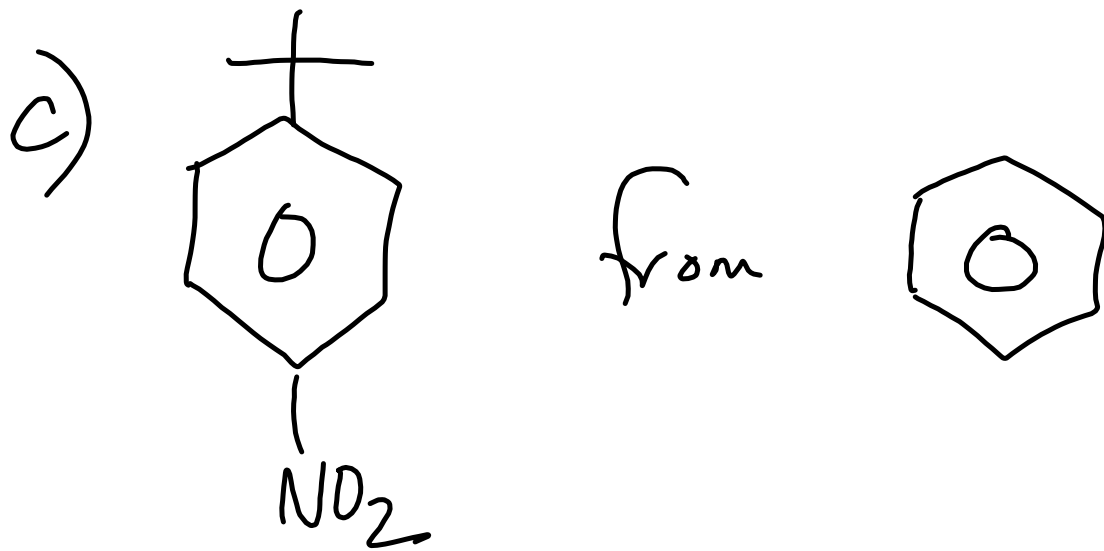


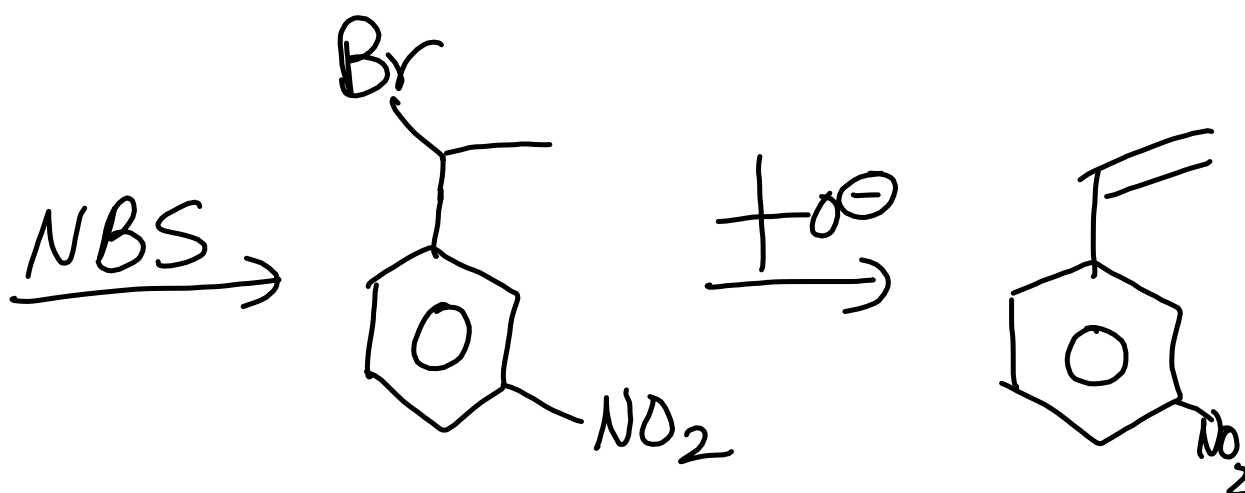
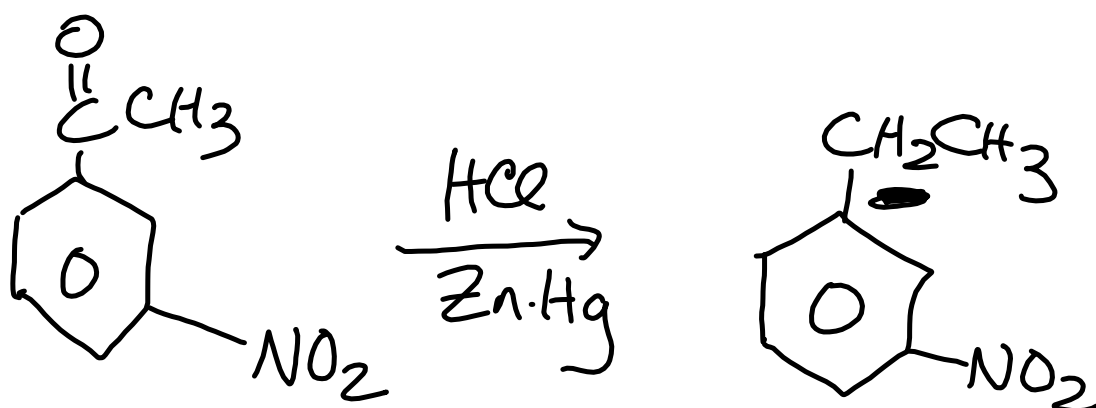
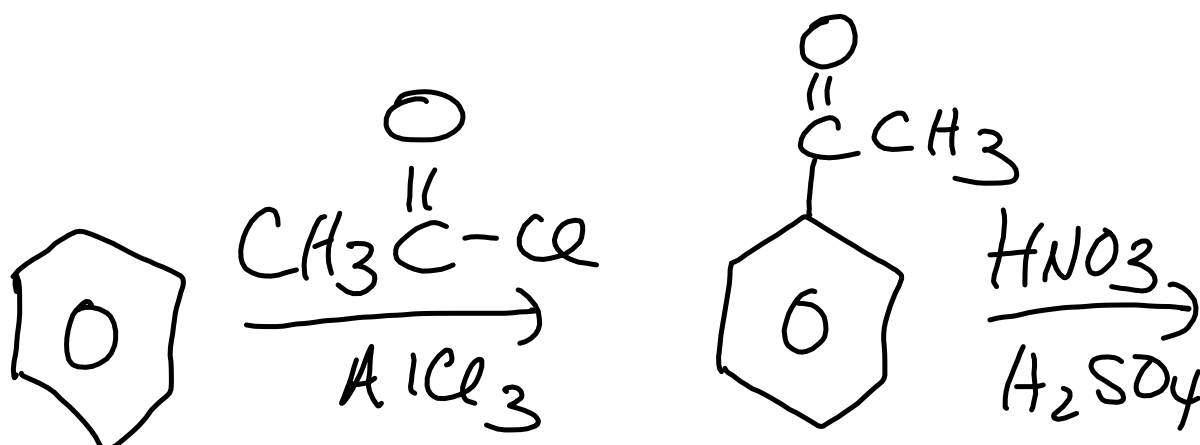
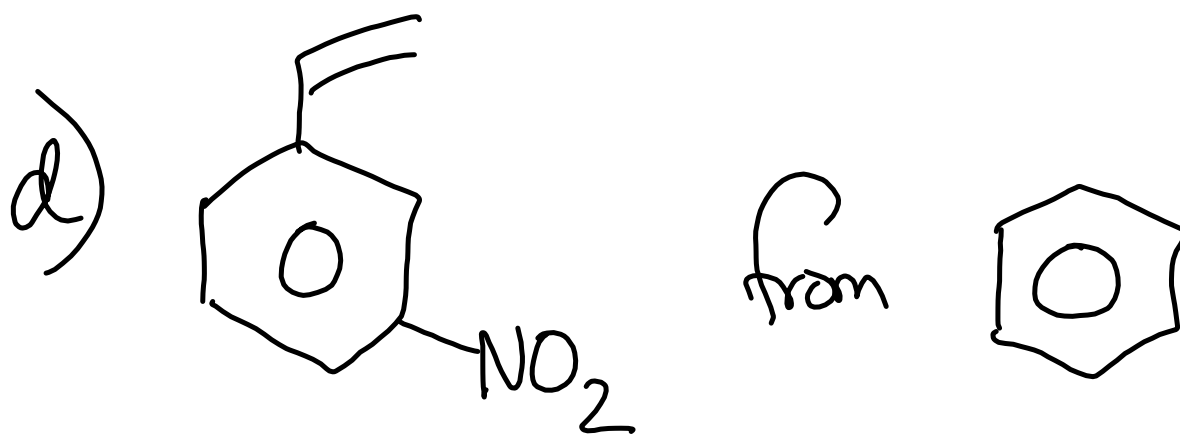
Overall yield = $.8 \times .7 \times .8$

$\begin{array}{r} .56 \\ .8 \\ \hline .448 \end{array}$

$\approx 50\%$

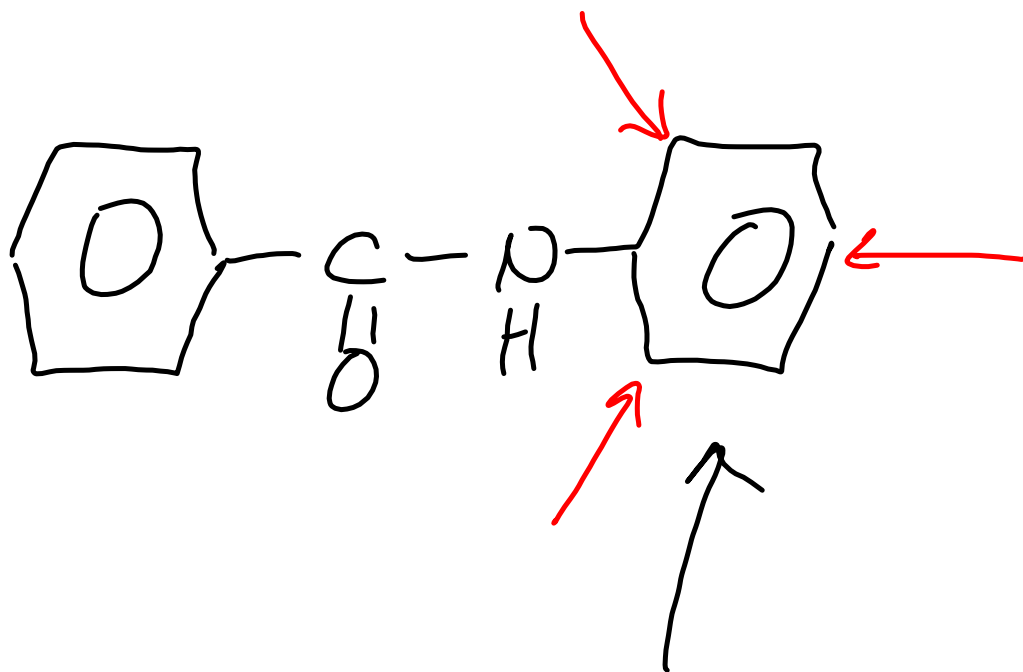






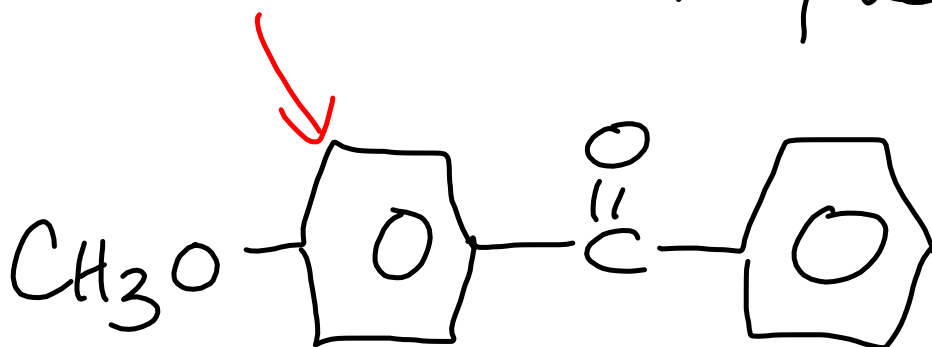
5.

a)



ring activated

b)



activated