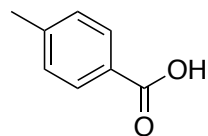
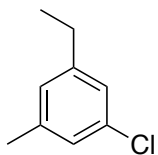
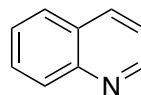
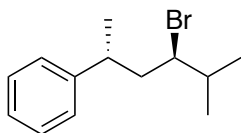
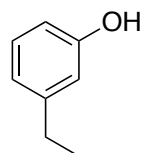
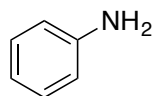
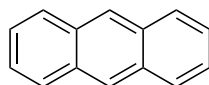
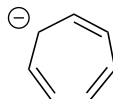
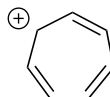
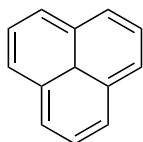
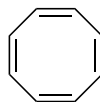


# Problem Set #3: Chapter 22

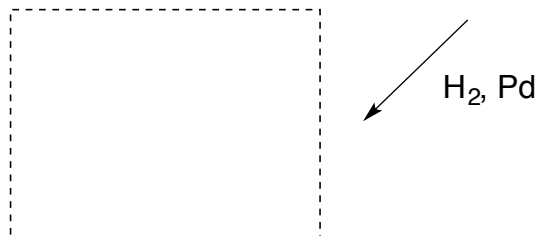
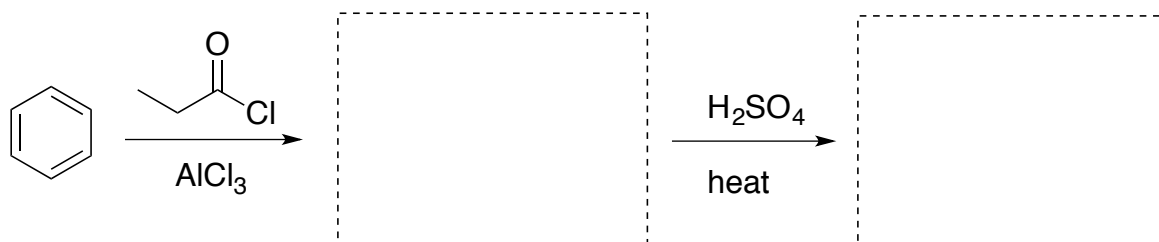
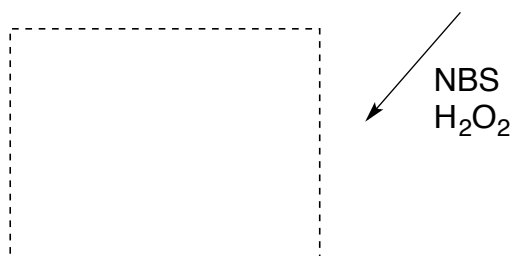
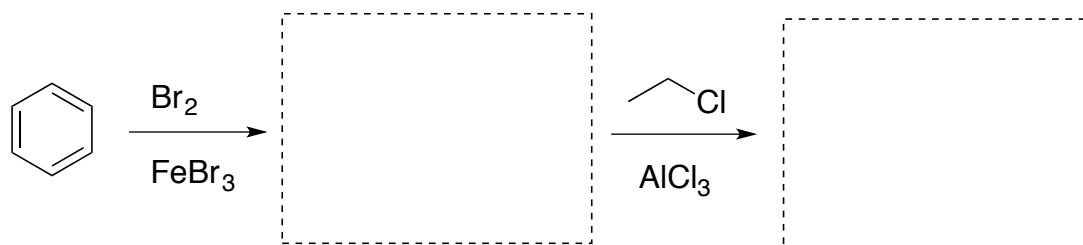
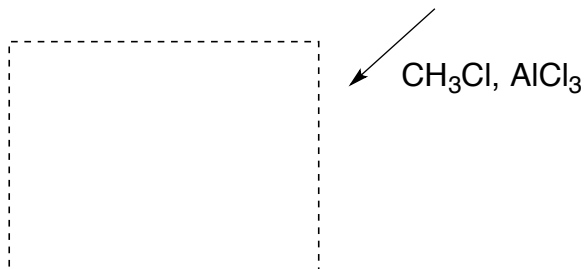
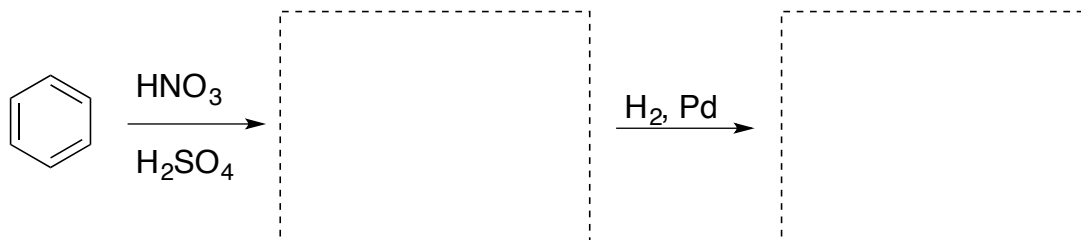
1. Name the following compounds

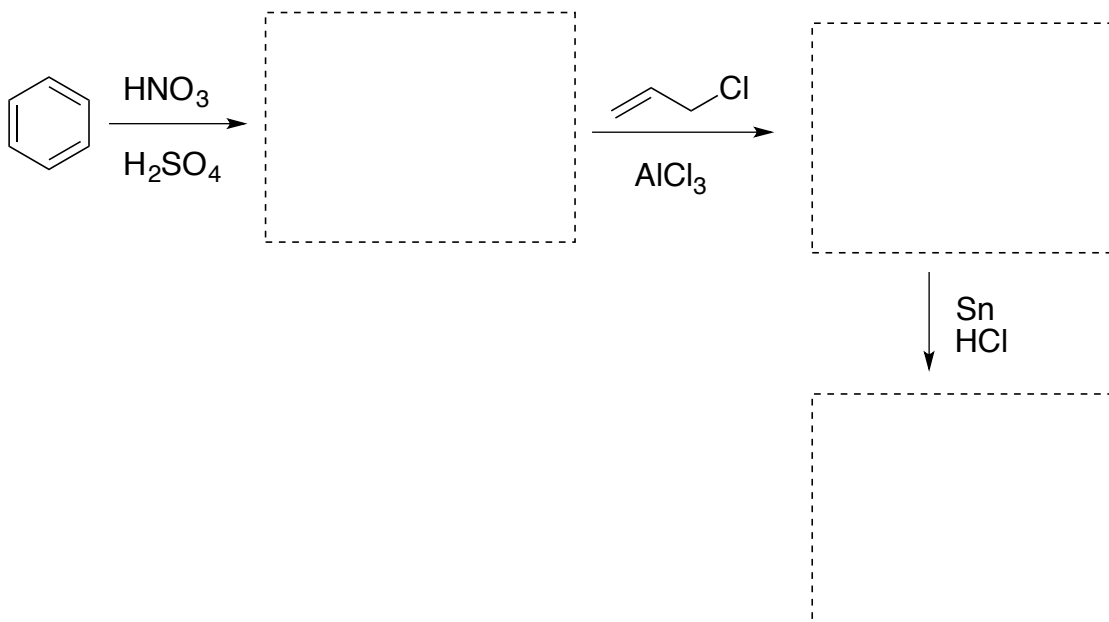
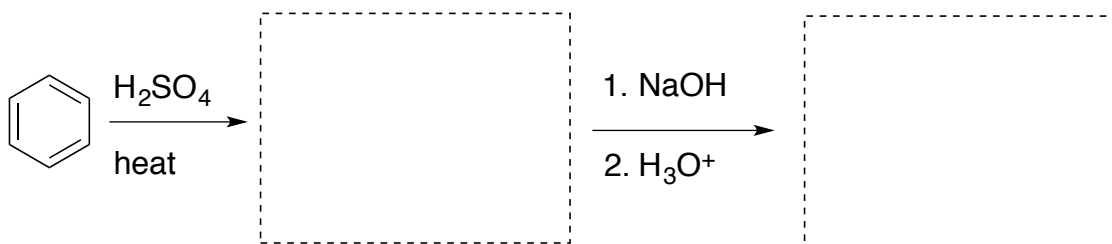
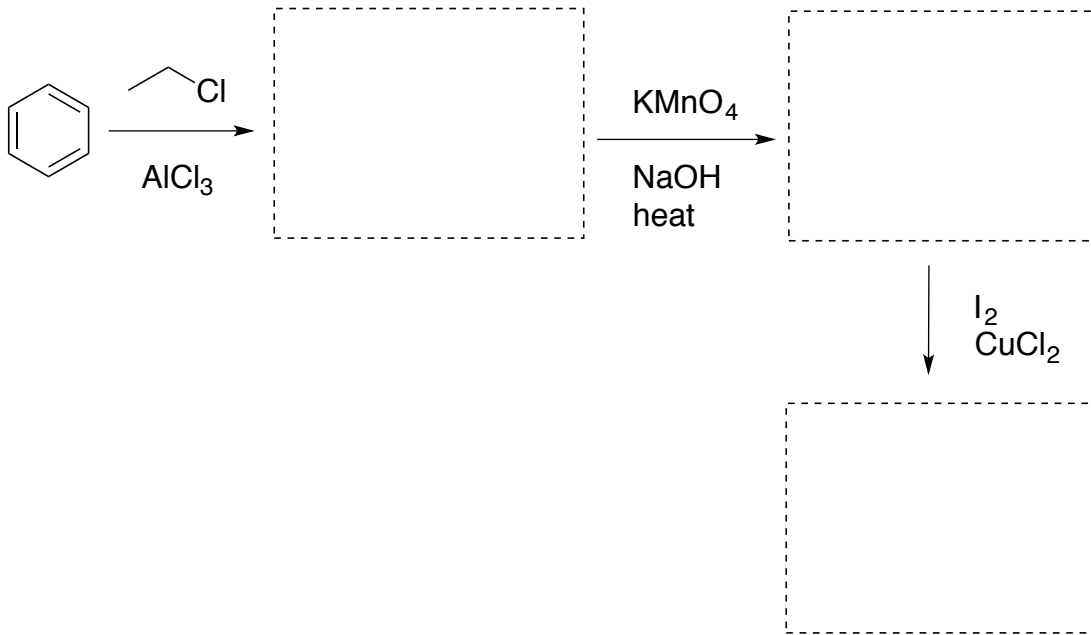


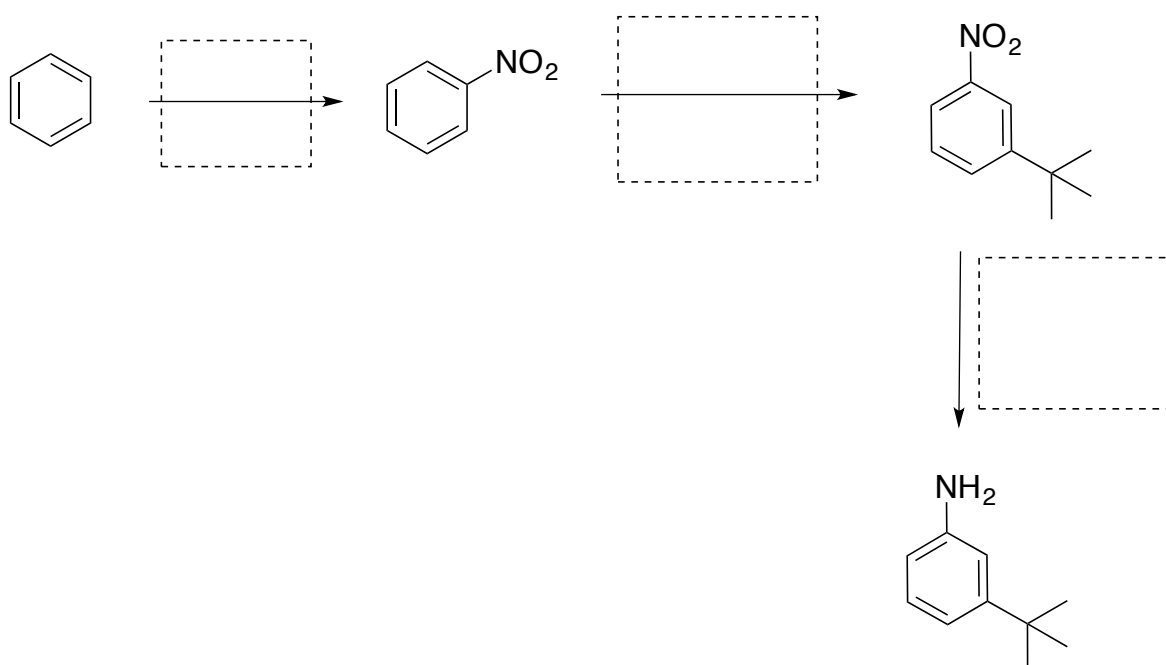
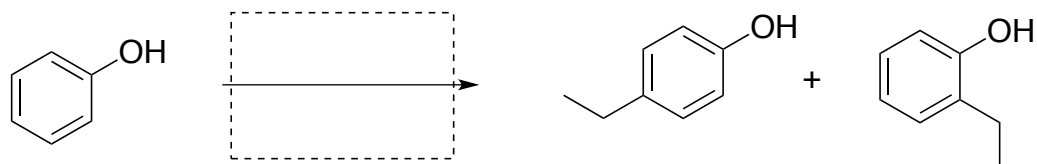
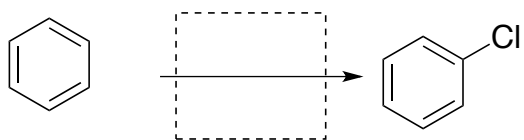
2. Which of the following compounds are aromatic?



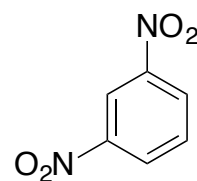
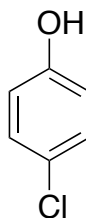
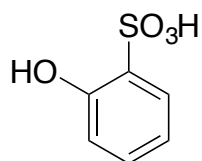
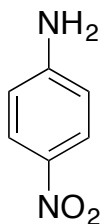
3. Complete the following transformations







4. Determine where a 3<sup>rd</sup> electrophile would add to the following benzenes:



5. Provide a synthesis for the following molecules starting from benzene (you need to go through several steps and/or use some reactions from CEM251):

