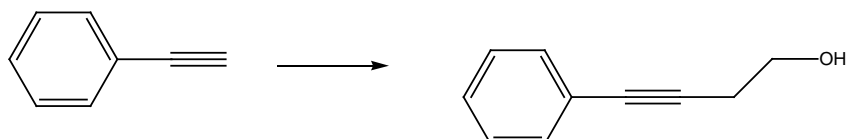
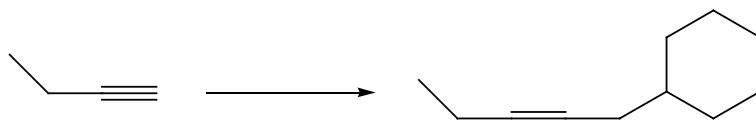
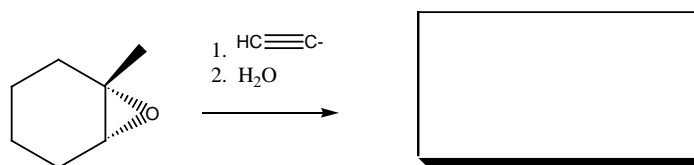
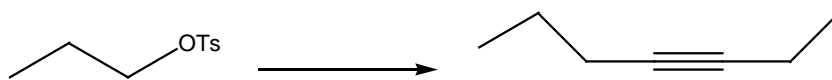
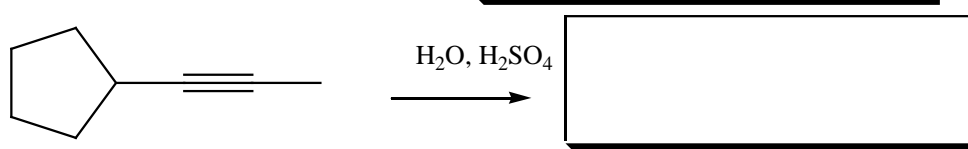
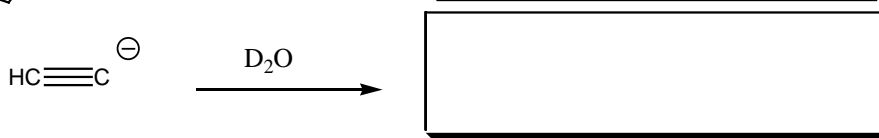
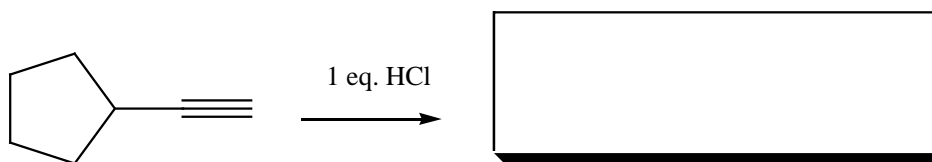
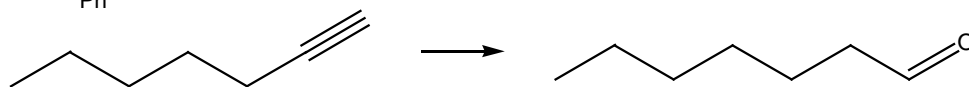
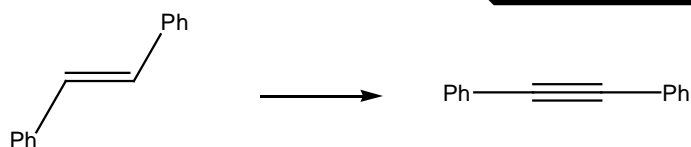
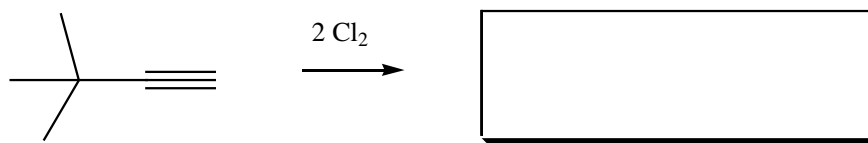
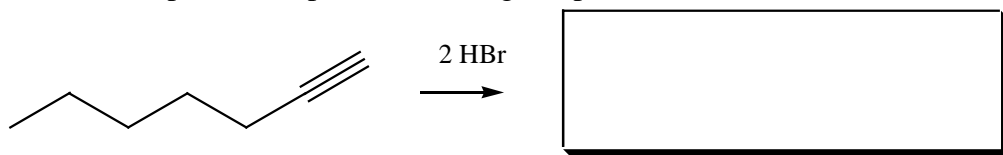
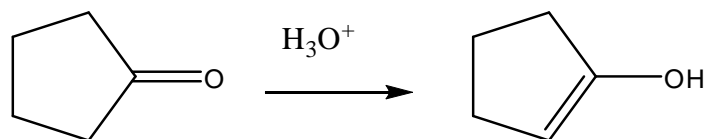


Discussion Problem Set 13
Alkynes and Multistep Synthesis

1. Draw the product or provide the reagent (problem 11.40)



2. Draw stepwise mechanisms for these reactions, including important resonance structures if needed. For the first problem, predict the product as well (problem 11.47, 11.31)



3. Provide all reagents needed in these multistep synthesis. (Problem 11.20 and 11.23)

