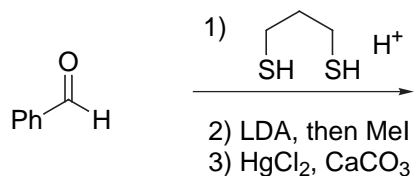
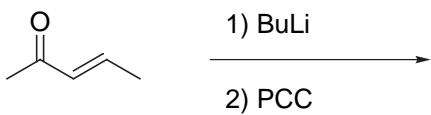


# Exam practice questions

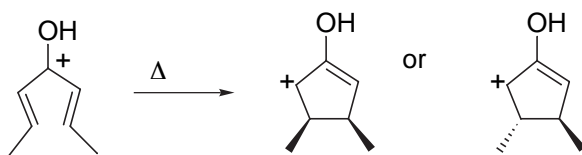
1. Provide products for the following transformations



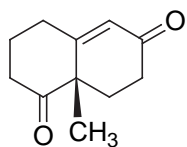
2. Provide products for the following transformations, and use MO diagrams to explain the stereochemistry



3. Circle the (initially formed) product for the rearrangement below, and provide an explanation using your knowledge of MO theory



4. Provide a multistep synthesis starting from 6 carbons or less



5. Provide a structure and mechanism for **A** and a mechanism for **B**

