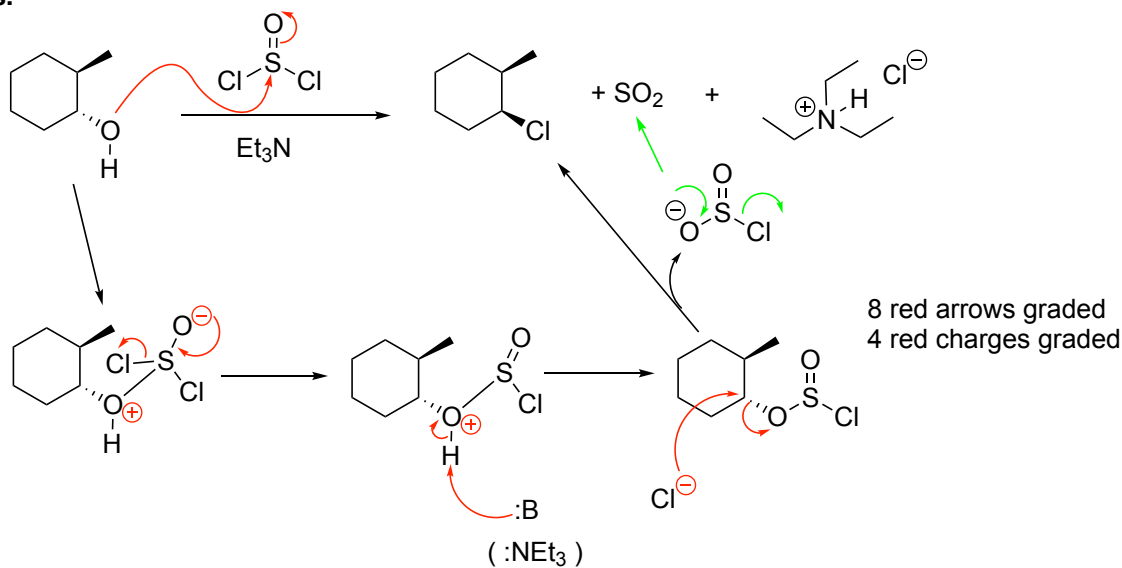


# Chemistry 2521 Quiz 2

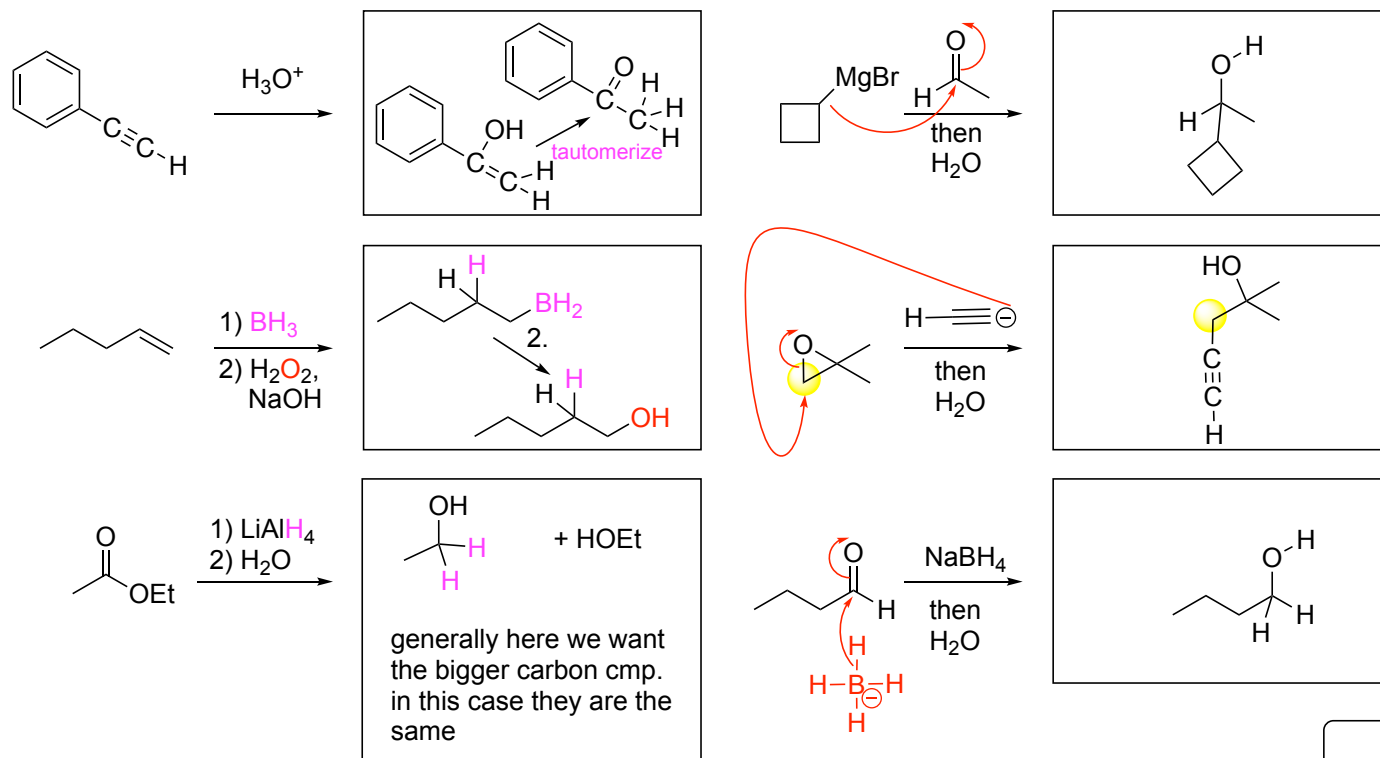
2/10/2025 BJM

Name: Key

1. (12 points) Draw a detailed mechanism for the following reaction. Be sure to show all intermediates and charges.

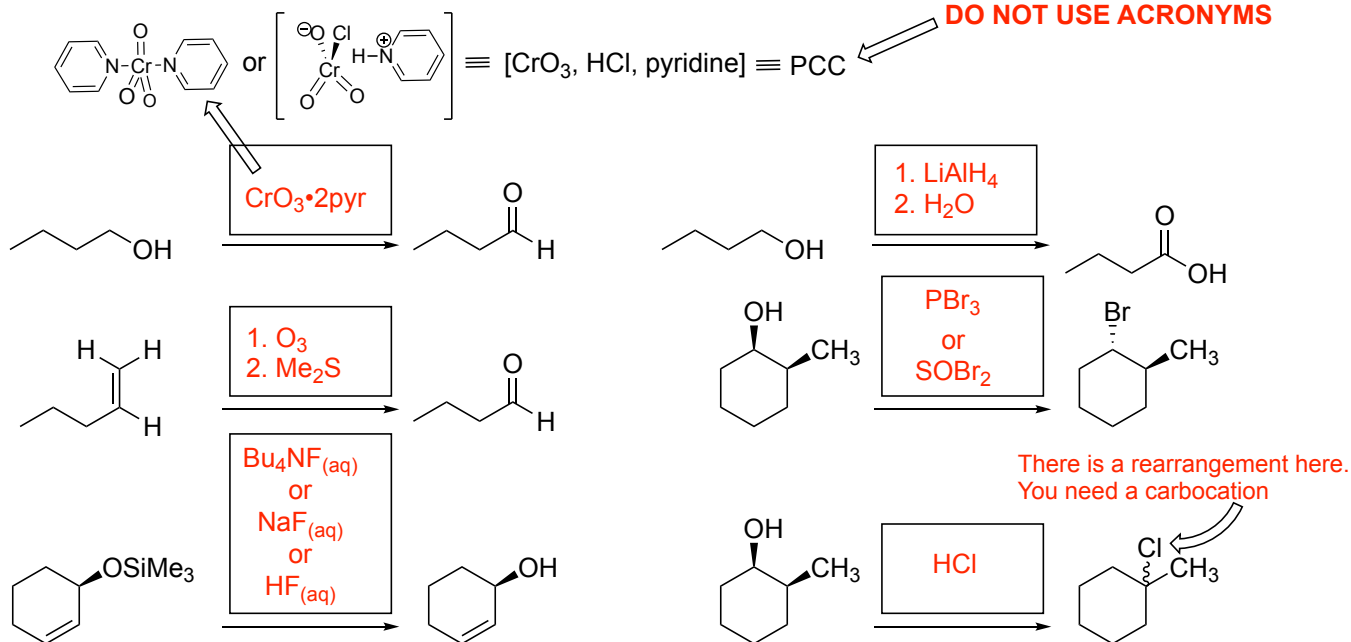


2. (12 pts) Give the major product for the following reactions. Show correct stereochemistry and regiochemistry for full credit.



4. (12 points) Provide reagents for each of the following reactions.

DO NOT USE ACRONYMS



5. (12 points) Provide a retrosynthetic analysis to prepare the following compound from any neutral carbon containing starting material(s) with 6 carbons or less. List correct reagents for full credit.

