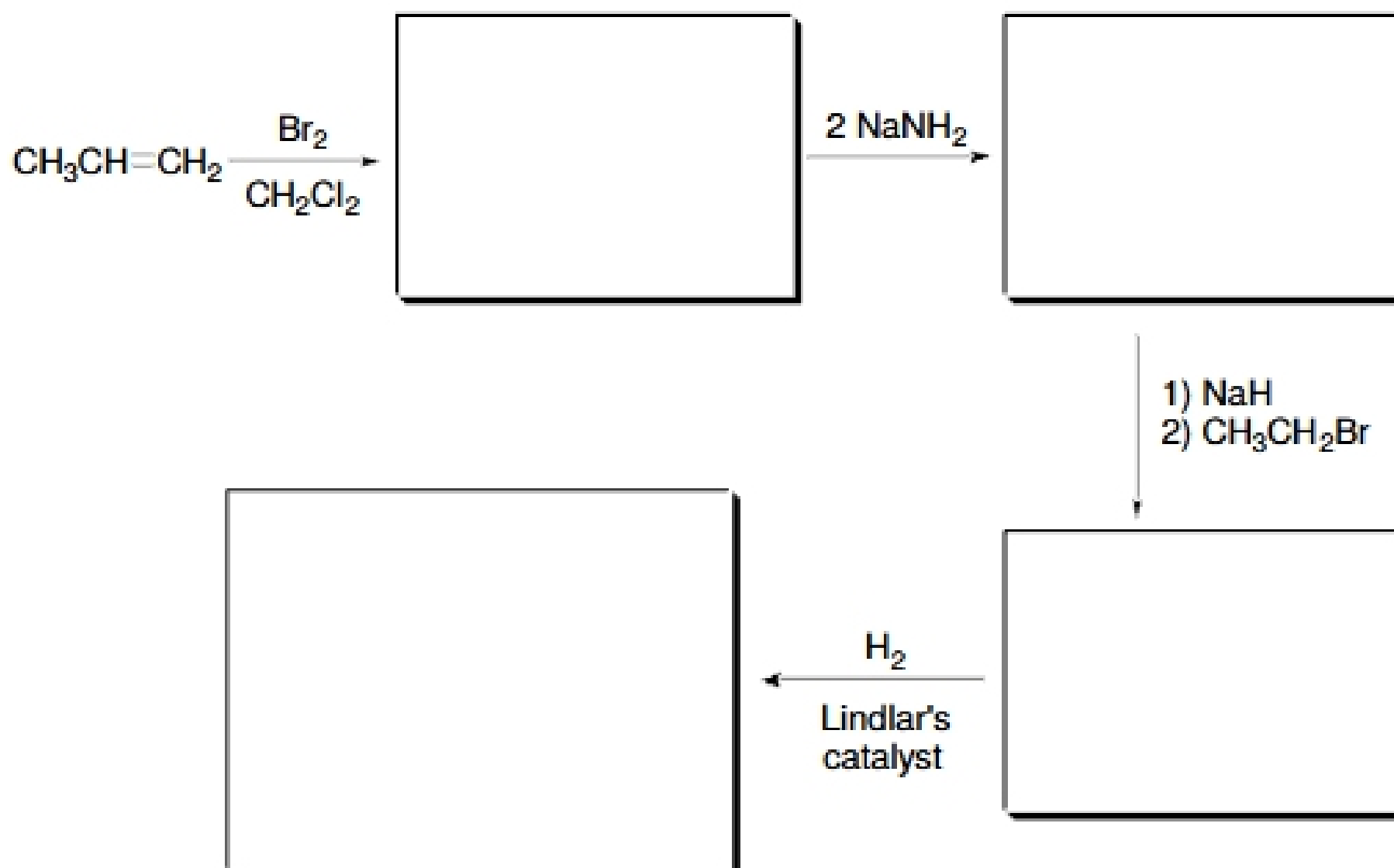


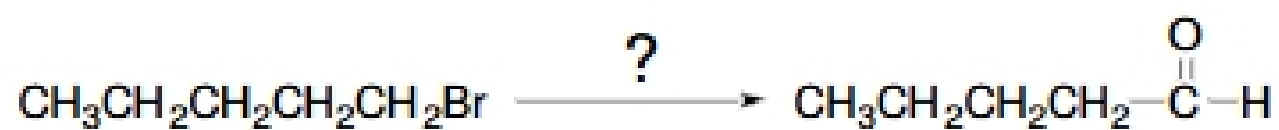
January 24, 2003

Quiz #1 (25 points)

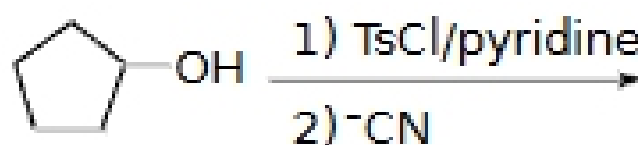
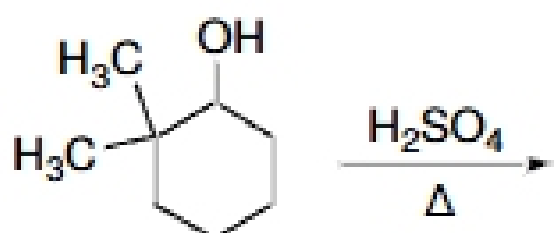
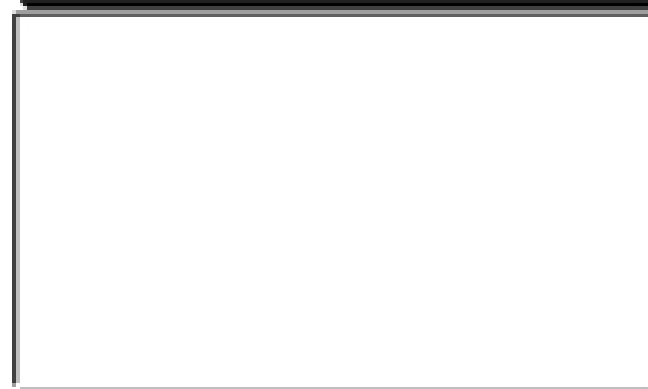
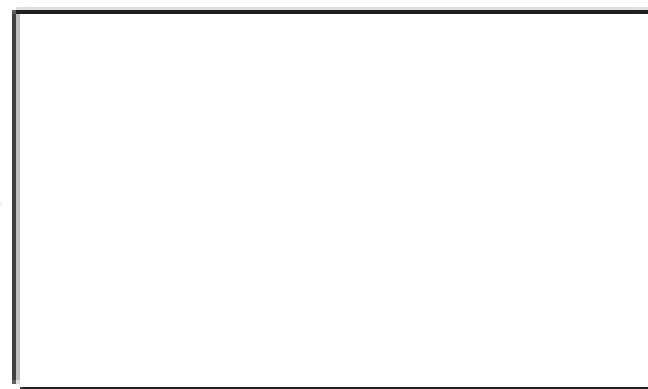
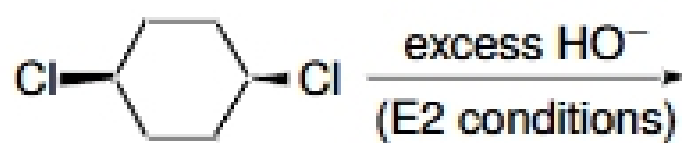
1. (8) Draw the major organic product for each reaction in the following synthesis. Indicate any relevant stereochemistry where appropriate.



2. (4) Outline a synthesis to accomplish the following transformation:



3. (8) Give the major organic product for each of the following reactions.



4. (4) Show the best route for synthesizing the following ether using an alkyl halide and an alcohol.

