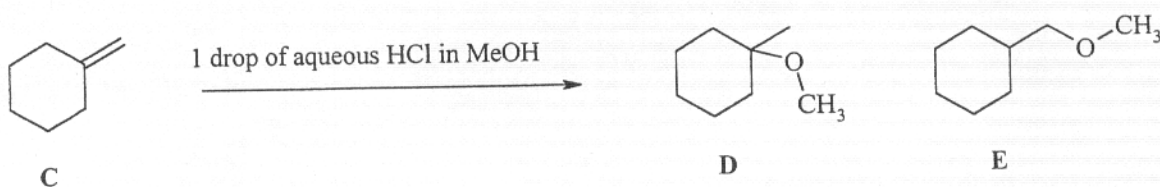
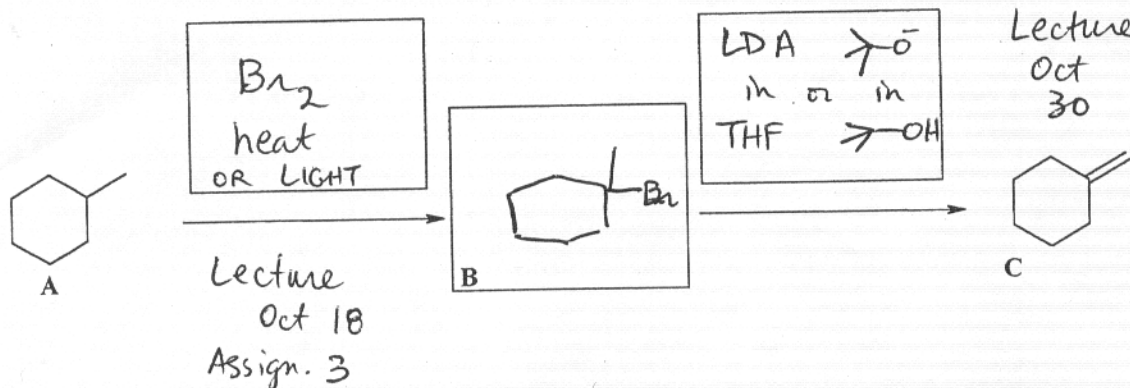


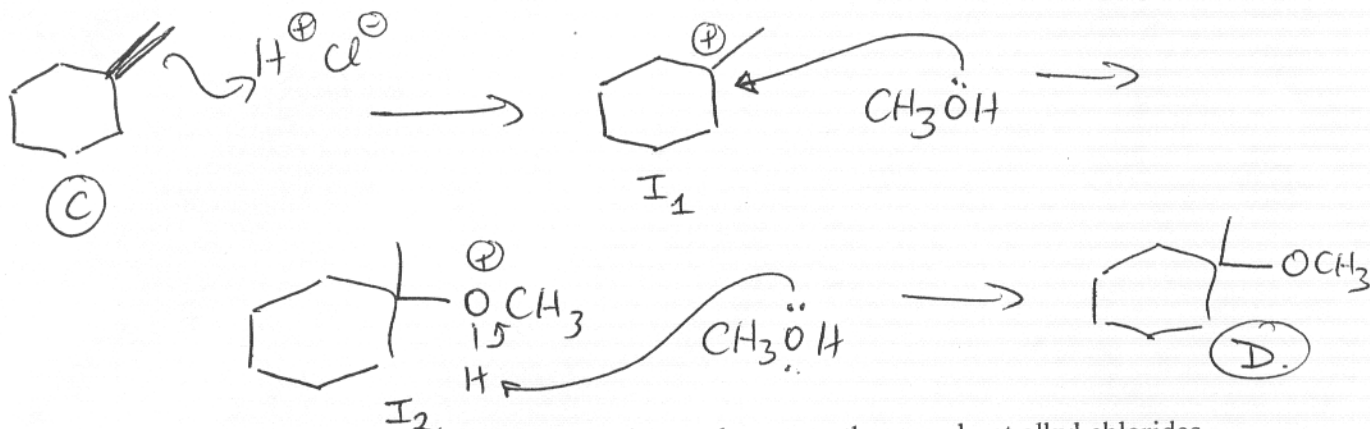
2. a) Fill in the boxes to complete the transformation: A to B to C. Specify any solvents and relevant conditions necessary, and be sure to use high-yielding reactions. (3 marks)



2. b) One of D and E is a major product, and one is minor. Which is major? D (1 mark)
Markov. Rule 8.2

2. c) Provide a mechanism for the conversion of C to the major product you picked (D or E). Show all steps, including all electron movement in all steps with curly arrows. (5 marks)

GOOD PROBLEM 8.8 (Nov 6 set)



2. d) Explain in one sentence why the major products are ethers, and not alkyl chlorides (1 mark)

Chloride is not present in a stoichiometric amount, while methanol is present in a vast excess