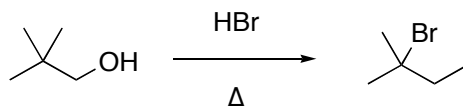
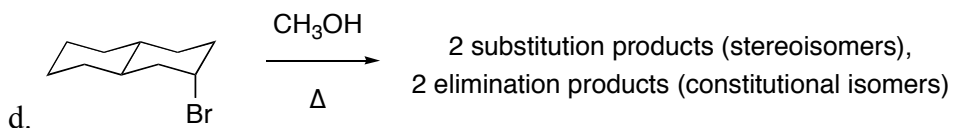
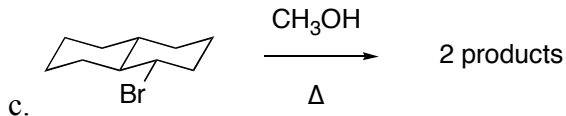
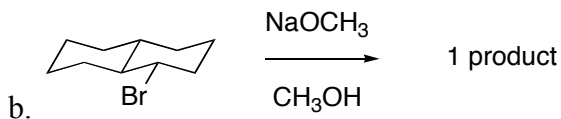
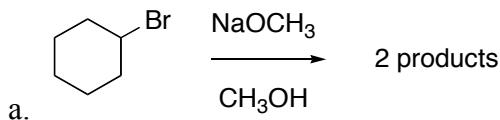


Chem 2061 Fall 2005  
Ch 6 Homework

1. 2,2-dimethyl-1-propanol reacts slowly with HBr when heated to produce 2-bromo-2-methylbutane as the major product. Draw a full stepwise mechanism with all curved arrows to account for this product.



2. Predict the mechanism the following conditions will react with ( $S_N1$ ,  $S_N2$ , E1, or E2), and draw major product(s) with correct stereochemistry where applicable. Briefly explain your rationale.



3. Predict the reagents and conditions necessary to complete the following reactions, and, as always, briefly explain your rationale.

