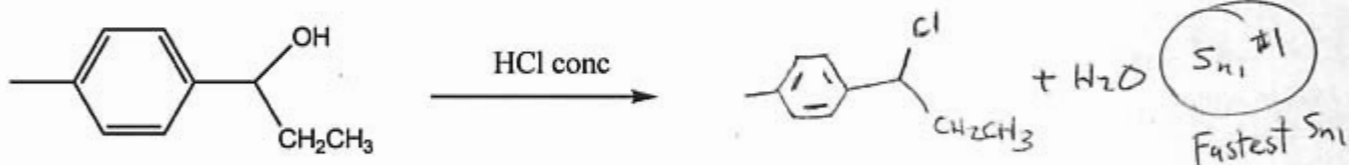
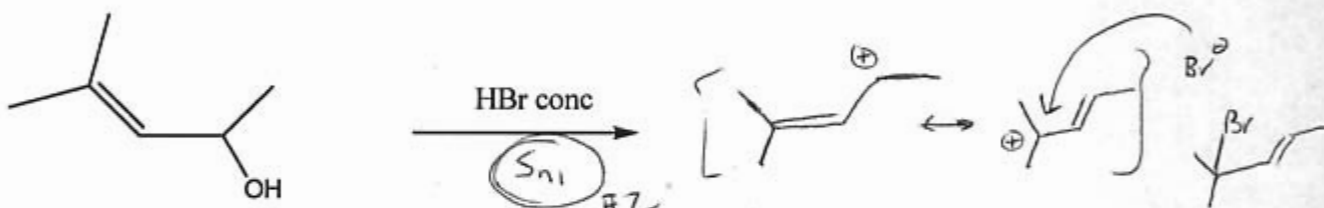
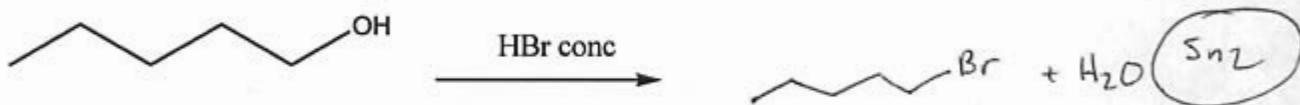
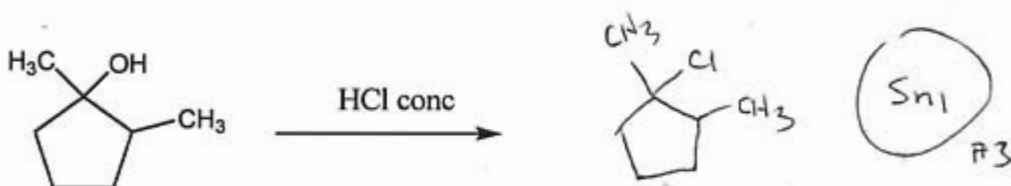
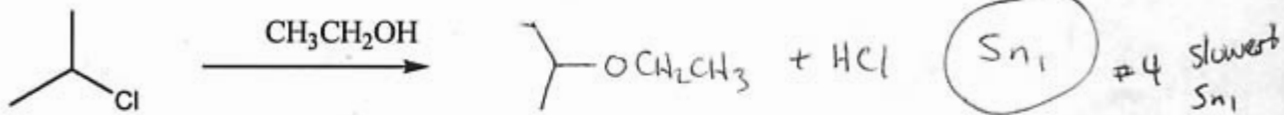


Key

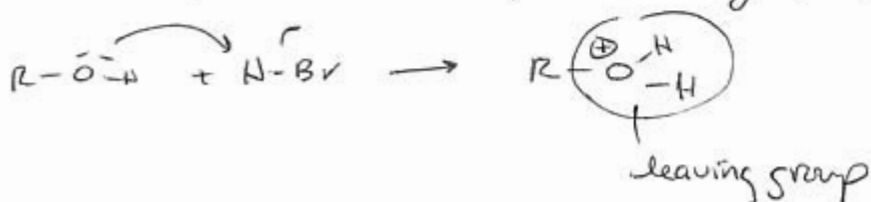
Sample Problems for exam #2.

1. Draw the Major organic product for the reactions below. Label if they go by an Sn1 or Sn2 type mechanism. Also, rank the Sn1 type reactions in order of reactivity (fastest to slowest).



2. In the reactions above, the alcohols reacted readily with concentrated HBr. Why will the same reactions above **not** work when using NaBr instead of HBr (since both these reagents contain Br⁻ as a nucleophile one would suspect that they both would be effective)

Need the acidity of H-Br → The proton need to protonate the alcohol to make it a good leaving group



3. Draw the full mechanism for the reactions shown below.

