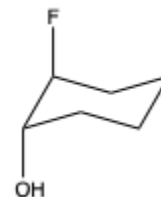
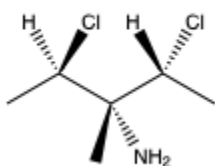
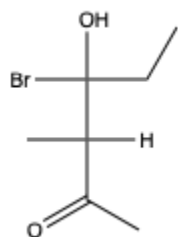
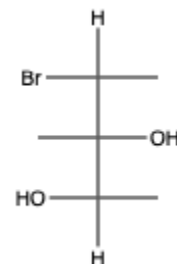
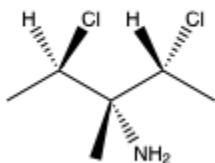
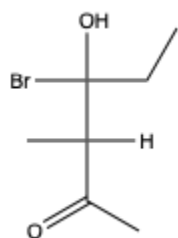


CHEM 2300 Session 7

1. Label every stereocenter and give the absolute configuration.



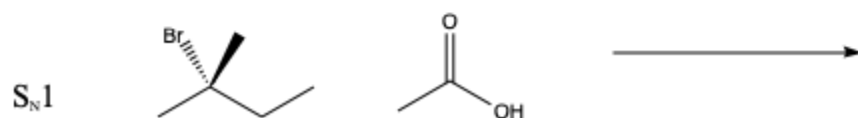
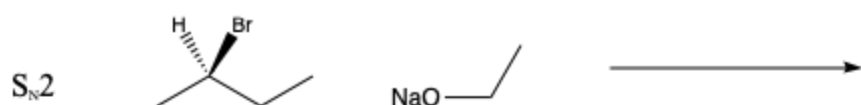
2. Draw the Fischer Projection into wedge-dash or the other way around.

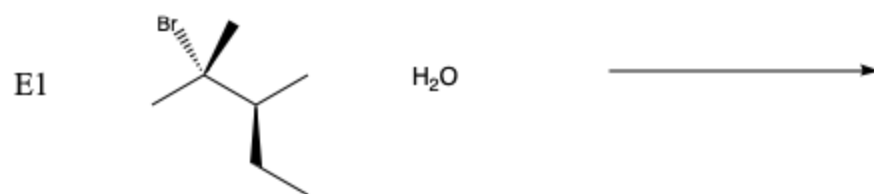
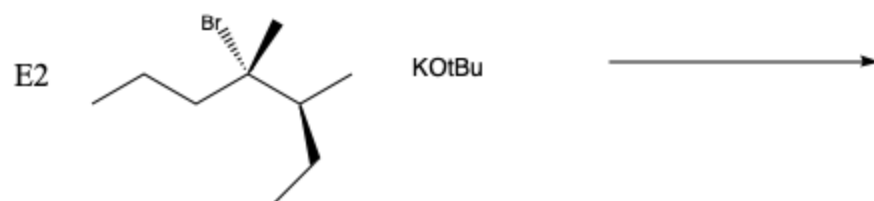


3. Why do you get only one product for S_N2 and two products for S_N1? Use the intermediate.

4. Why do primary carbons prefer S_N2 while tertiary carbons prefer S_N1 ? Use the intermediate.

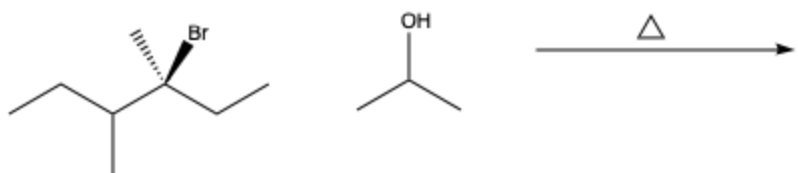
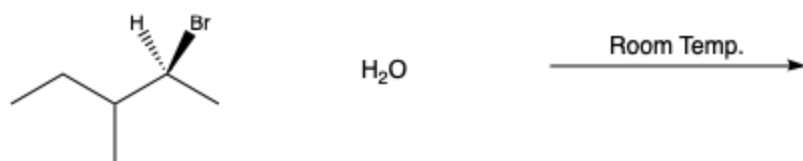
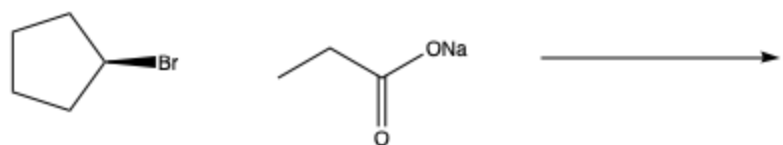
5. Draw the mechanism and the product(s) for each reaction. The type of reaction is given.





6. Why do we want a strong nucleophile/base for S_N2 and E2 but don't need that for S_N1 and E1 but we need a good leaving group for those?

7. Give the major product(s) for the following reactions.



8. Synthesis the following molecule starting with a three carbon alkene.

