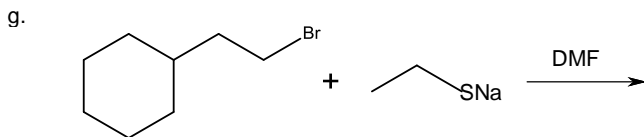
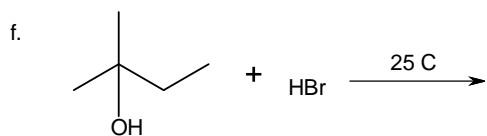
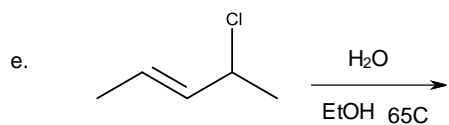
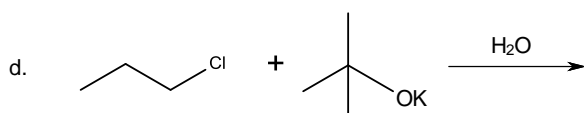
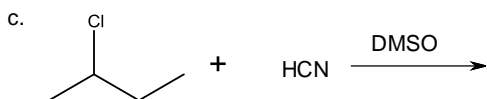
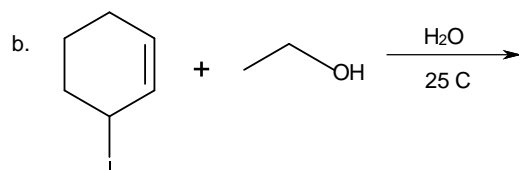
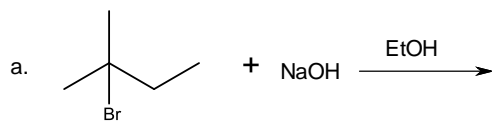
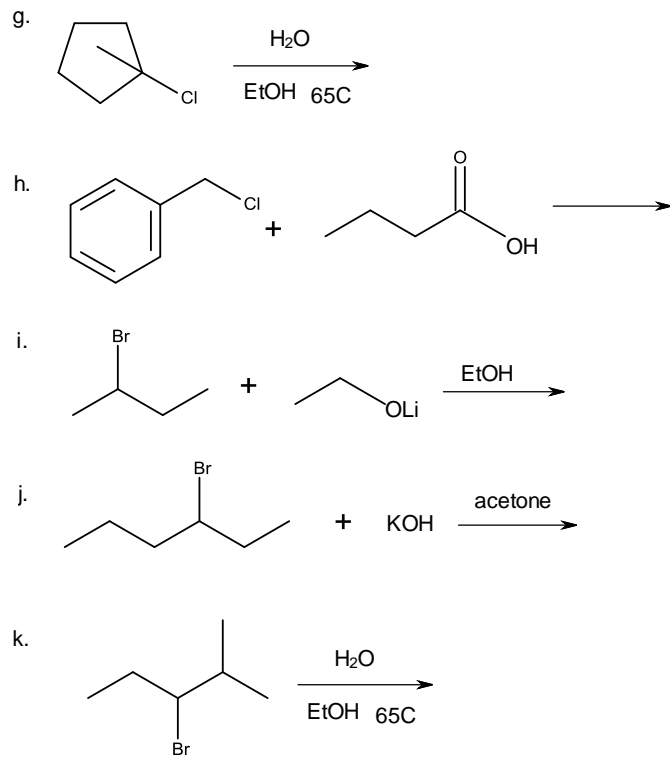


1. For the following reactions
a. Label S_N1 , S_N2 , E1 or E2
b. Draw the complete mechanism





2. Would you expect a chiral center to be inverted or retained in an S_N1 reaction? Why?

3. Would you expect a chiral center to be inverted or retained in an S_N2 reaction? Why?

4. Fill in the following table

Rxn Type	Substrate	Nucleophile	Solvent	Temp	# Steps in Mech.
S _N 1					
S _N 2					
E1					
E2					