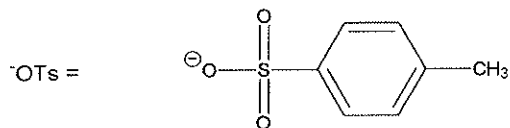


Summary of S_N1, S_N2, E1, E2

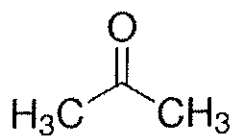
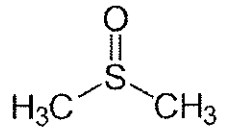
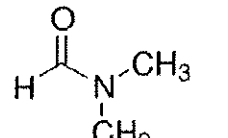
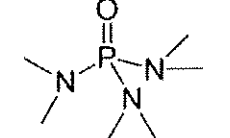
	Strong Base Weak Nu	Strong Base Strong Nu	Weak Base Strong Nu	Weak Base Weak Nu
Reagent	NaH, KO ^t Bu, LiN ⁱ Pr ₂	⁻ OR	X ⁻ RS ⁻ , RSH	ROH
	Elim	Elim or Subst	Subst	Elim or Subst
1°	E2	S _N 2E2	S _N 2	Nothing
2°	E2	E2/S _N 2	S _N 2	S _N 1
3°	E2	E2	S _N 1	E1



In order of importance, they are:

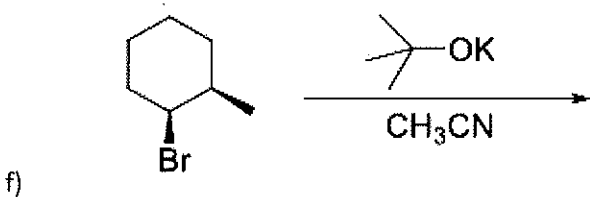
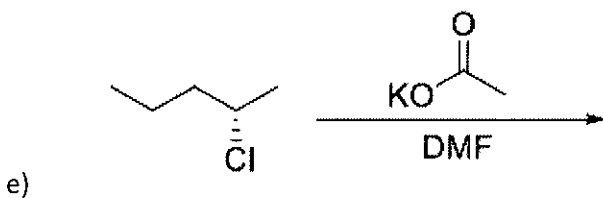
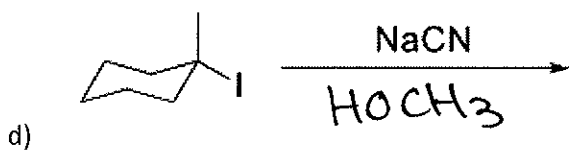
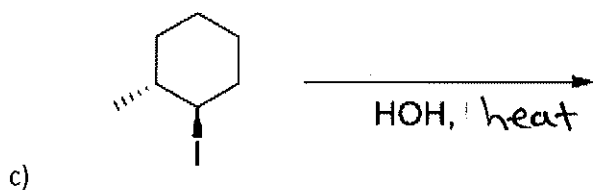
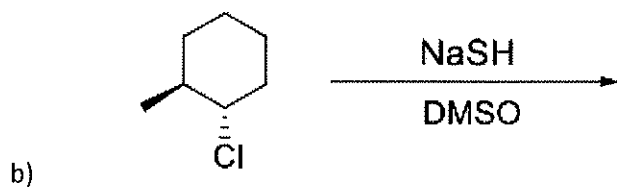
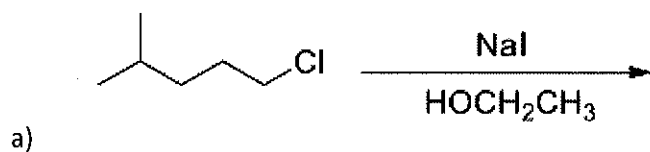
1. The nucleophile/base (reagent)
2. The substrate
3. The solvent
4. The temperature

Solvents:

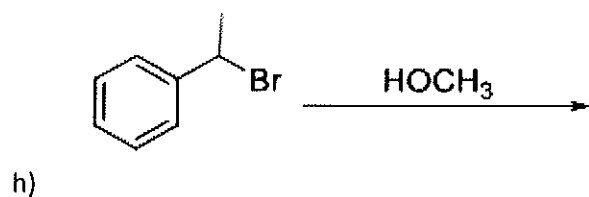
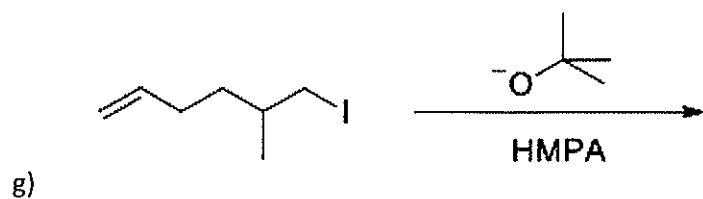
 Acetone	 DMSO	 DMF	 HMPA
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Summary of S_N1, S_N2, E1, E2

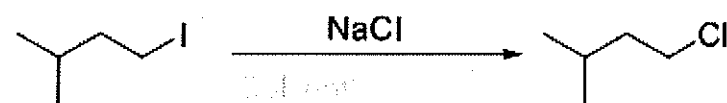
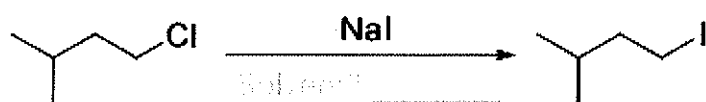
For the following reactions, identify if they are S_N1, S_N2, E1 or E2. Draw a mechanism and predict the major product. Include chair conformations or newman projections as needed.



Summary of S_N1 , S_N2 , E1, E2



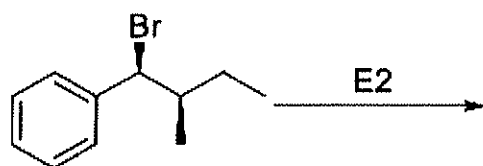
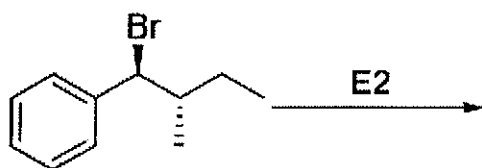
Determine the correct solvent for the following:



Draw a mechanism and the product:



What are the products from the following reactions?



For each reaction, identify if S_N1 , S_N2 , $E1$ or $E2$. Draw mechanism and predict the major product. acetone

Type

