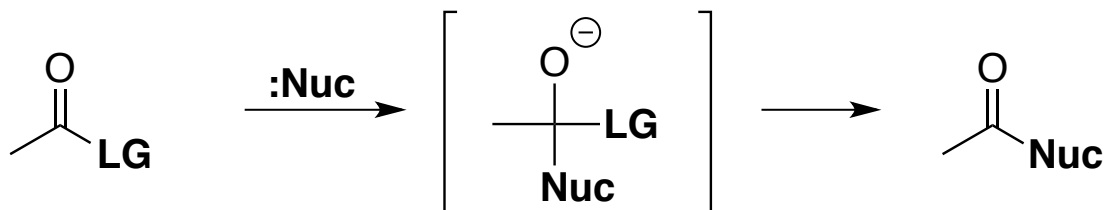
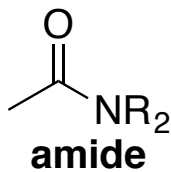
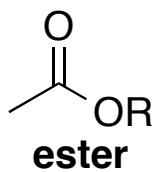
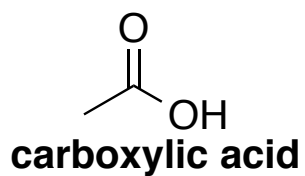
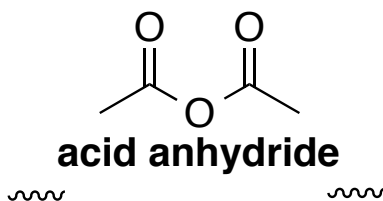
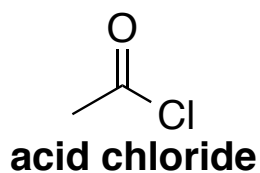
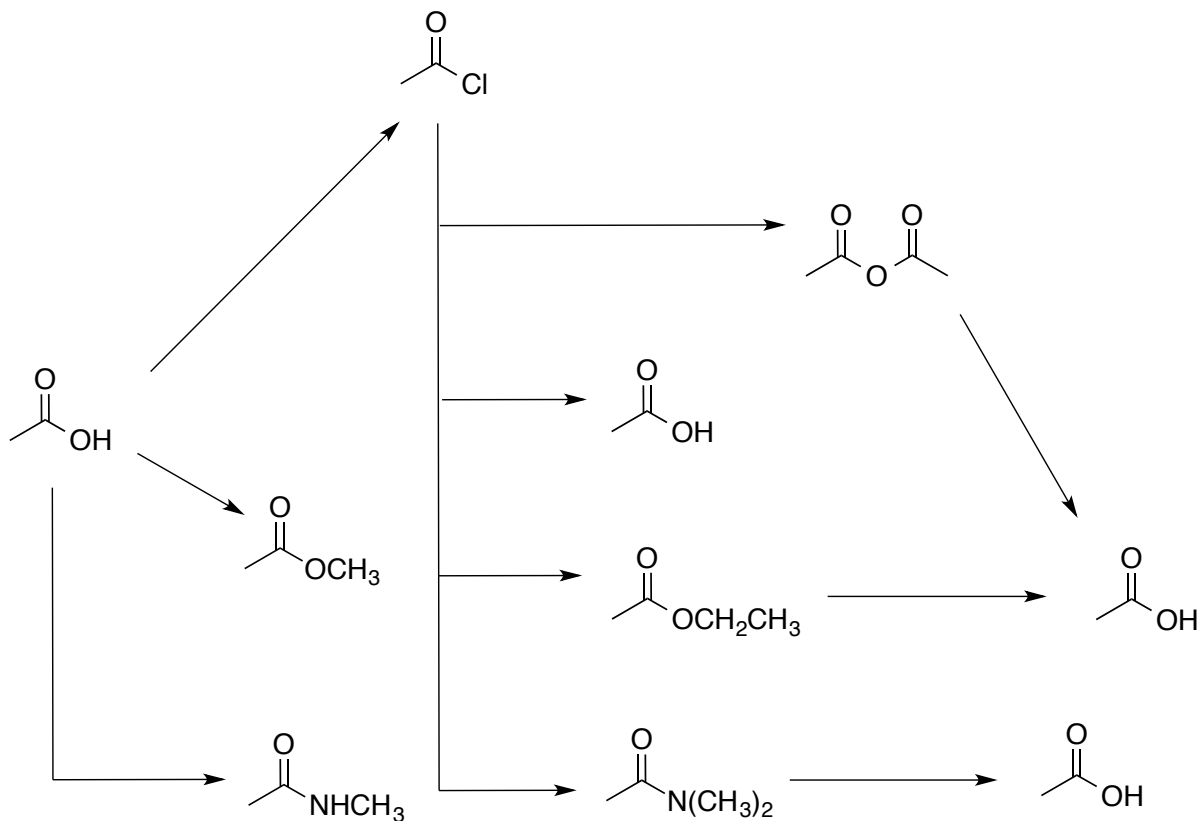


NUCLEOPHILIC ACYL SUBSTITUTION (NAS)REACTIVITY SERIES (TOWARD NAS)

Nucleophilic Acyl Substitution  
Reactions



Fill in the reagent(s) needed to complete each transformation above.

Show the mechanism for the Fischer esterification of acetic acid into its methyl ester:

Show the mechanism for the hydrolysis of the acid chloride: