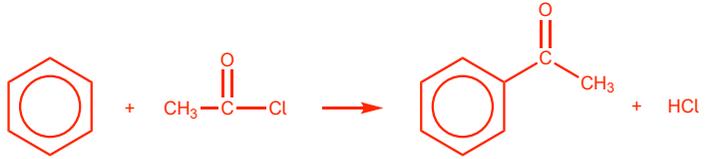




TWO TYPES OF ACYLATION

Name of acylation	Friedel-Crafts acylation	acylation
Type of compound reacting	aromatic	water, alcohols, ammonia, amines
Where are the H atoms that replaced	H atoms on benzene ring	H atoms on O (water, alcohols) or N (ammonia, amines)
Reagents	acyl chloride or acid anhydride	acyl chloride or acid anhydride
Catalyst	AlCl₃	none
Name of mechanism	electrophilic substitution	nucleophilic addition-elimination
Example	e.g. benzene + ethanoyl chloride	e.g. methanol + ethanoyl chloride
Equation		
Mechanism	