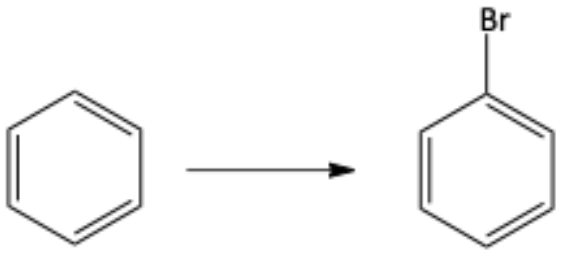
Aromatic Reaction Review: Name the Reagents

Each reaction shows the starting material and the product. Write the reagents above the arrow.

Name: _____ Date: _____

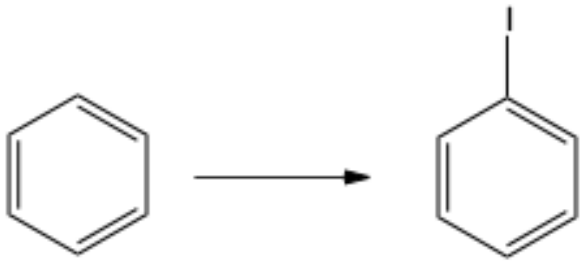
Bromination of benzene



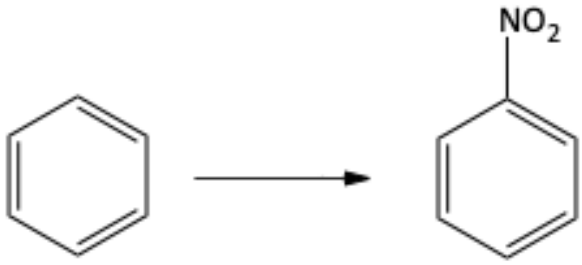
Chlorination of benzene



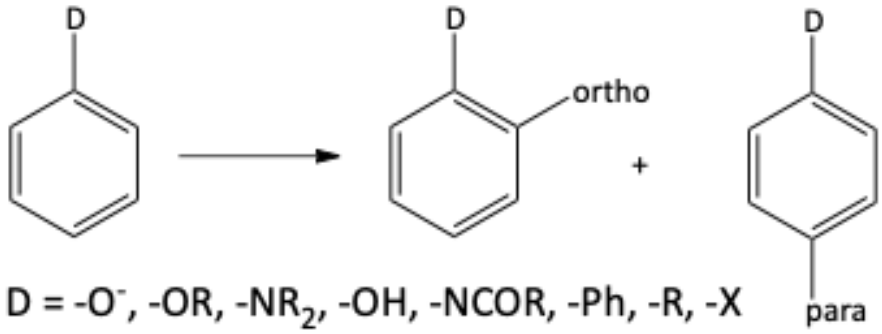
Iodination of benzene



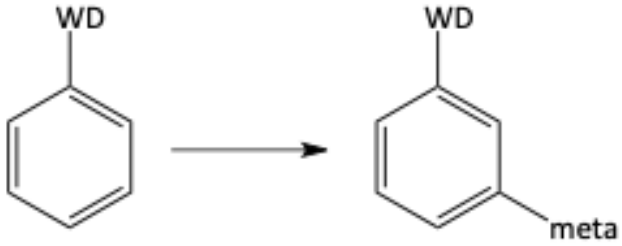
Nitration of benzene



Ortho-para directors

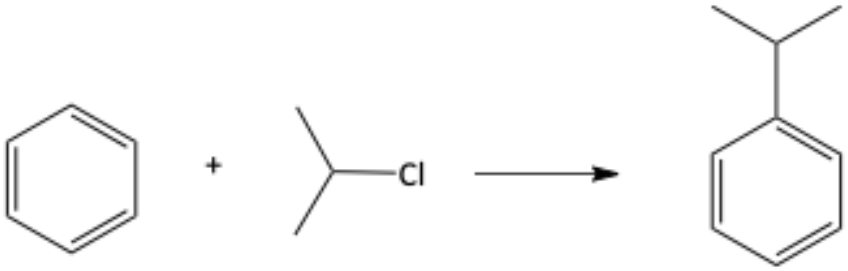


Meta directors

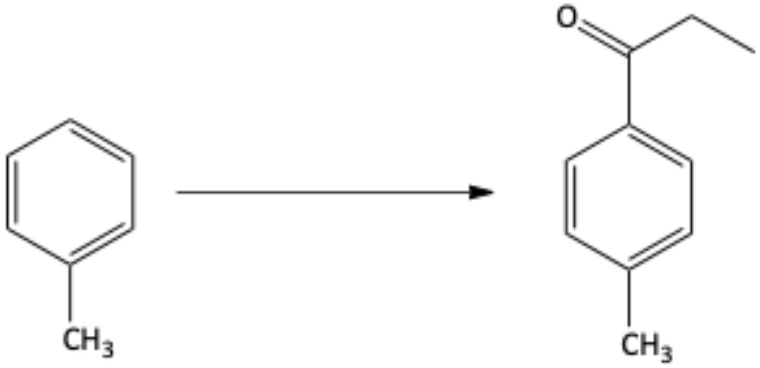


WD = $-NR_3^+$, $-SO_3H$, $-NO_2$, -CN, -Carbonyl

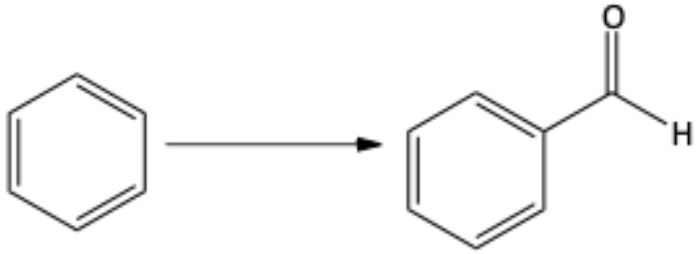
Friedel-Crafts alkylation



Friedel-Crafts Acylation

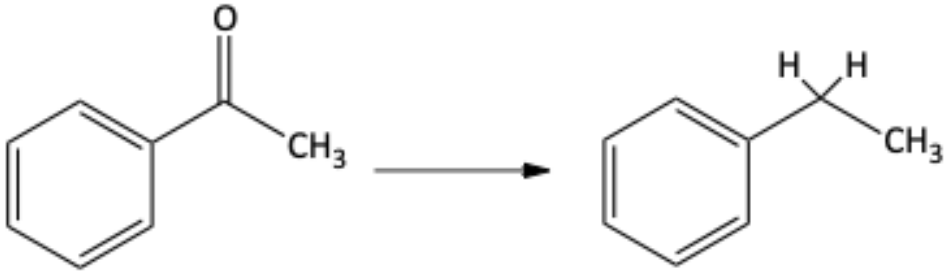


Gatterman-Koch formylation

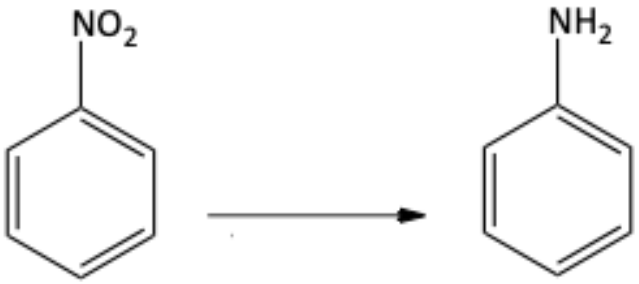


benzaldehyde

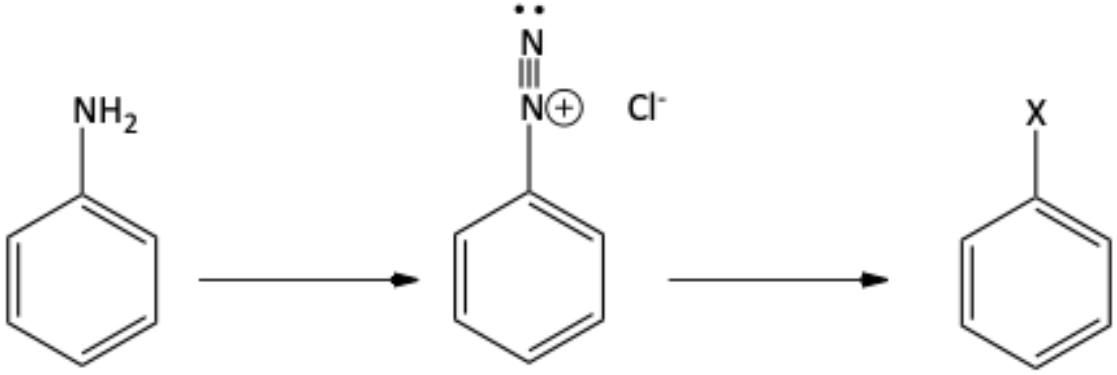
Clemmensen Reduction



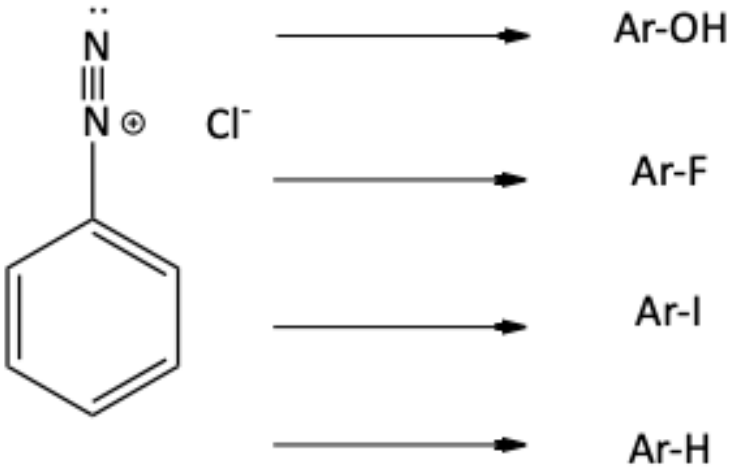
Aniline from nitrobenzene



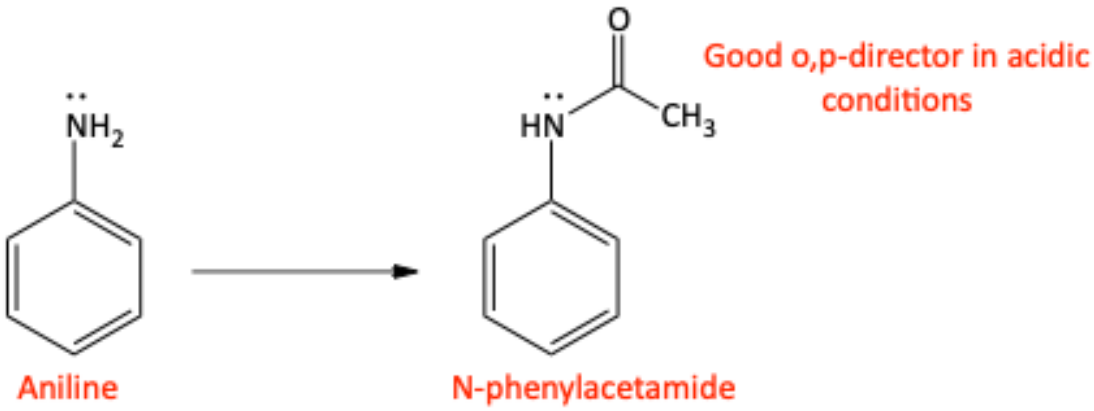
Sandmeyer reaction



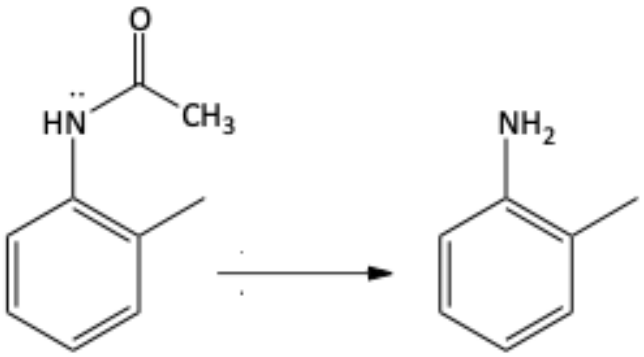
Sandmeyer-like reactions



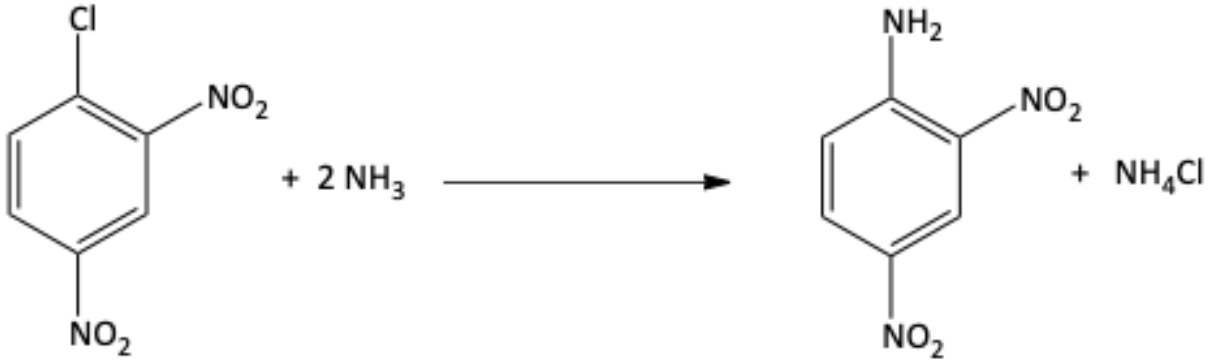
Aniline to amide



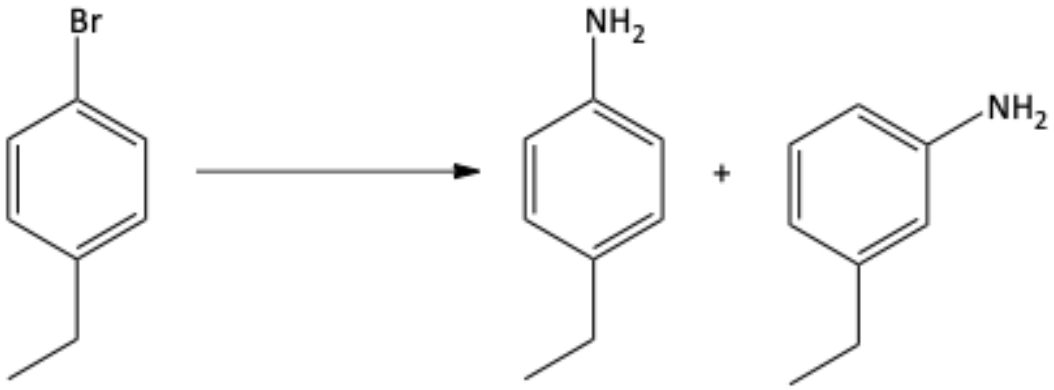
Hydrolysis of amide to amine



Addition-Elimination Nucleophilic Aromatic Substitution



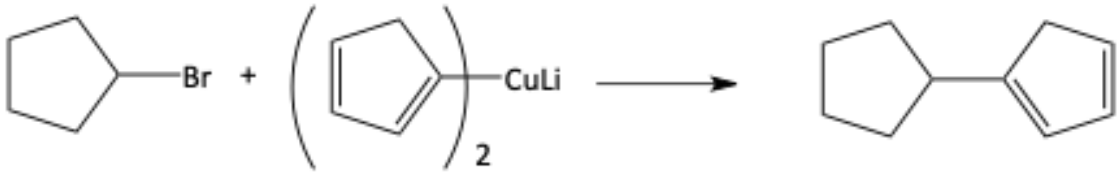
Benzyne Nucleophilic Aromatic Substitution



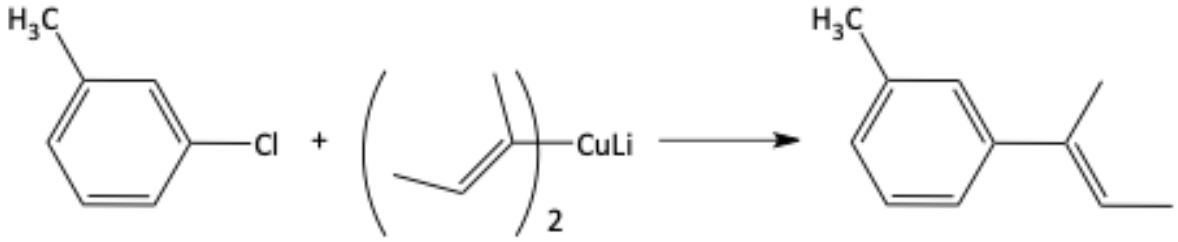
Gilman Reagent Synthesis



Gilman Reagent reaction with alkyl halide



Gilman Reagent reaction with aryl halide



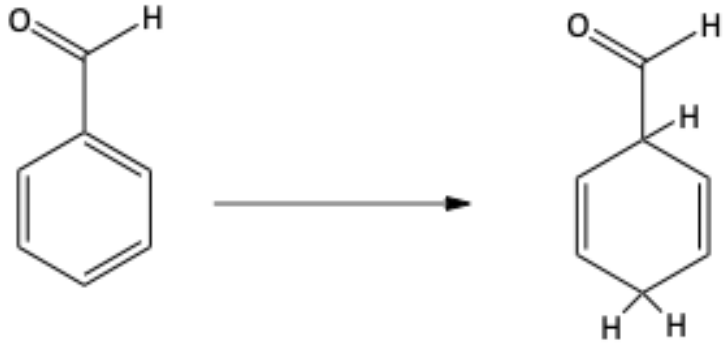
Chlorination of benzene



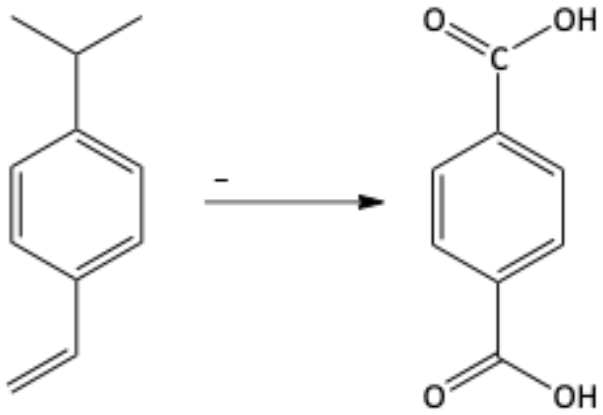
Hydrogenation of benzene



Birch Reduction



Oxidation of alkyl benzene



Side-chain halogenation



Oxidation of phenol

