

Chem 345 – Organic Reactions

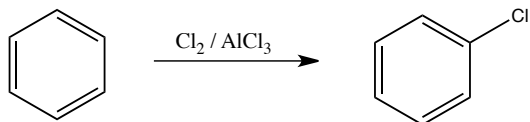
Chapter 16

Prepared by José Laboy, MS

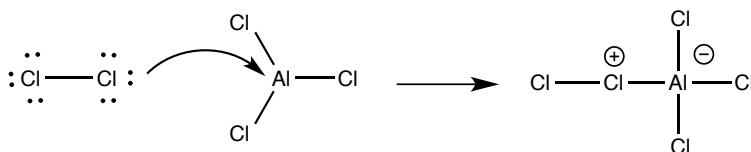
<http://www.chem.wisc.edu/areas/clc> (Resource page)

Electrophilic Aromatic Substitution #3: Chlorination

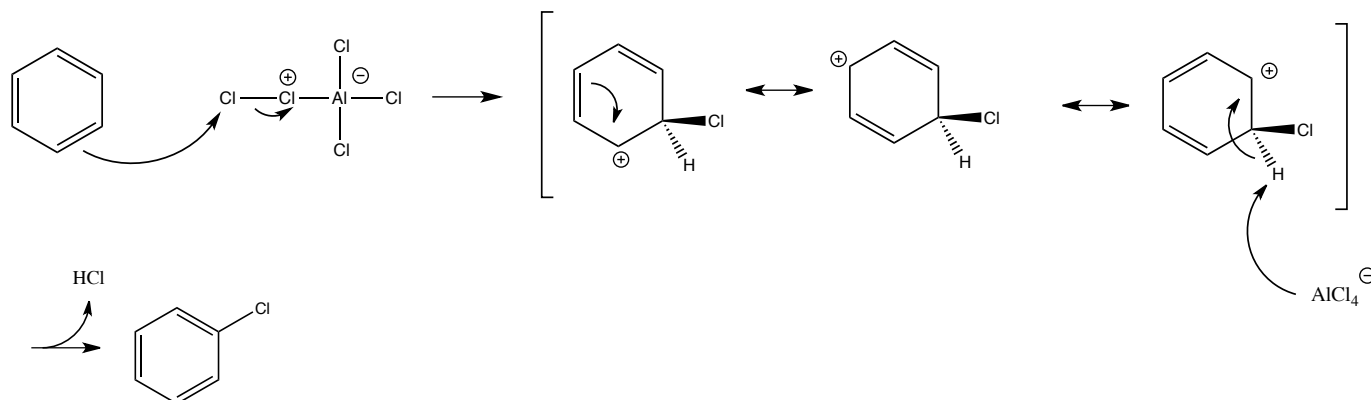
Reaction



Electrophile



Mechanism



Chlorine derivatives of arenes are very useful synthetically. They can be used to make organo-metallic derivatives that eventually lead to carbon-carbon chains.

One draw-back of chlorination is that the arene derivative is less reactive toward another EAS reaction.