**Mechanism Review**

Organic II

The mechanisms we have seen so far in Organic are SN2



SN1



E1



E2



Electrophilic Aromatic Substitution

a) Generation of Br+



b) Generation of arenium ion



c) Regeneration of aromatic molecule



Nucleophilic aromatic substitution

a) Addition/Elimination



b) Elimination/addition





Free radical

a) Initiation



2) Propagation



c) Termination



Electrophilic addition



The group that is added first in the reaction above is H+ which is an electrophile. This step is the rate determining step and why it is called ELECTROPHILIC ADDITION.