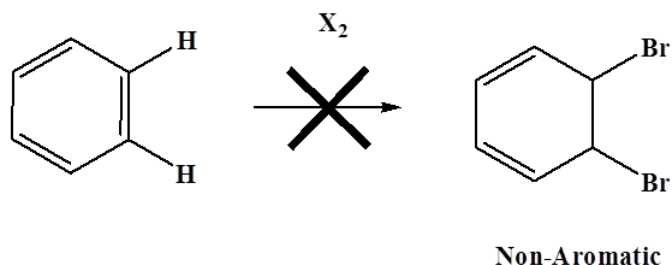


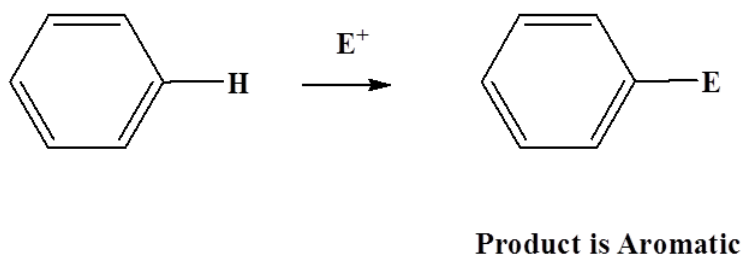
16.7: Electrophilic Aromatic Substitution

Benzene contains six pi electrons which are delocalized in six p orbitals above and below the plane of the benzene ring.

The six pi electrons obey Huckel's rule so benzene is especially stable. This means that the aromatic ring wants to be retained during reactions. Because of this benzene does not undergo addition like other unsaturated hydrocarbons.



Benzene can undergo electrophilic aromatic substitution because aromaticity is maintained.



Contributors

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