

## CHAPTER OVERVIEW

### 16: Electrophilic Aromatic Substitution

#### Topic hierarchy

- 16.1: Limitations on Electrophilic Substitution Reactions with Substituted Benzenes
- 16.2: Disubstituted Benzenes
- 16.3: Synthesis of Benzene Derivatives
- 16.4: Halogenation of Alkyl Benzenes
- 16.5: Oxidation and Reduction of Substituted Benzenes
- 16.6: Multistep Synthesis
- 16.7: Electrophilic Aromatic Substitution
- 16.8: The General Mechanism
- 16.9: Halogenation
- 16.10: Nitration and Sulfonation
- 16.11: Friedel–Crafts Alkylation and Friedel–Crafts Acylation
- 16.12: Substituted Benzenes
- 16.13: Electrophilic Aromatic Substitution of Substituted Benzenes
- 16.14: Why Substituents Activate or Deactivate a Benzene Ring
- 16.15: Orientation Effects in Substituted Benzenes

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