

## Reading Assignment - Chapter 17.5

Read any combination of the following sections so that you have read a total of five pages. When sections begin or end with less than half of a page, don't include that page, or add two half pages to make one whole page. Please choose sections which will help you to review, fill in gaps in your understanding, or increase your knowledge.

- 16-1 The Discovery of Benzene
- 16-2 The Structure and Properties of Benzene
- 16-3 The Molecular Orbitals of Benzene
- 16-4 The Molecular Orbital Picture of Cyclobutadiene
- 16-5 Aromatic, Antiaromatic, and Nonaromatic Compounds
- 16-6 Huckel's Rule
- 16-7 Molecular Orbital Derivation of Huckel's Rule
- 16-8 Aromatic Ions
- 16-9 Heterocyclic Aromatic Compounds
- 16-10 Polynuclear Aromatic Hydrocarbons
- 16-11 Aromatic Allotropes of Carbon
- 16-12 Fused Heterocyclic Compounds
- 16-13 Nomenclature of Benzene Derivatives
- 16-14 Physical Properties of Benzene and Its Derivatives
- 16-15 Spectroscopy of Aromatic Compounds
- 17-12 Nucleophilic Aromatic Substitution
- 17-13 Addition Reactions of Benzene Derivatives
- 17-14 Side-Chain Reactions of Benzene Derivatives