

## CHAPTER OVERVIEW

### 13: Bonding General Concepts

#### Chemical Principles (Zumdahl and Decoste) Textmap Alternative

##### Topic hierarchy

- 13.1: Types of Chemical Bonds
- 13.2: Electronegativity
- 13.3: Bond Polarity and Dipole Moments
- 13.4: Ions: Electron Configurations and Sizes
- 13.5: Formation of Binary Ionic Compounds
- 13.6: Partial Ionic Character of Covalent Bonds
- 13.7: The Covalent Chemical Bond: A Model
- 13.8: Covalent Bond Energies and Chemical Reactions
- 13.9: The Localized Electron Bonding Model
- 13.10: Lewis Structures
- 13.11: Resonance
- 13.12: Exceptions to the Octet Rule
- 13.13: Molecular Structure: The VSEPR Model

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