

## CHAPTER OVERVIEW

### 14: Conjugation, Resonance, and Dienes

- 14.1: Conjugation
- 14.2: Resonance and Allylic Carbocations
- 14.3: Common Examples of Resonance
- 14.4: The Resonance Hybrid
- 14.5: Electron Delocalization, Hybridization, and Geometry
- 14.6: Conjugated Dienes
- 14.7: Interesting Dienes and Polyenes
- 14.8: The Carbon–Carbon  $\sigma$  Bond Length in 1,3-Butadiene
- 14.9: Stability of Conjugated Dienes
- 14.10: Electrophilic Addition- 1,2- Versus 1,4-Addition
- 14.11: Kinetic Versus Thermodynamic Products
- 14.12: The Diels–Alder Reaction
- 14.13: Specific Rules Governing the Diels–Alder Reaction
- 14.14: Other Facts About the Diels–Alder Reaction
- 14.15: Conjugated Dienes and Ultraviolet Light

---

14: Conjugation, Resonance, and Dienes is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by LibreTexts.