

CHAPTER OVERVIEW

15: Oxidation and Reduction Reactions

- [15.1: Prelude to Oxidation and Reduction Reactions](#)
- [15.2: Oxidation and Reduction of Organic Compounds - An Overview](#)
- [15.3: Oxidation and Reduction in the Context of Metabolism](#)
- [15.4: Hydrogenation of Carbonyl and Imine Groups](#)
- [15.5: Hydrogenation of alkenes and Dehydrogenation of Alkanes](#)
- [15.6: Monitoring Hydrogenation and Dehydrogenation Reactions by UV Spectroscopy](#)
- [15.7: Redox Reactions of Thiols and Disulfides](#)
- [15.8: Flavin-Dependent Monooxygenase Reactions - Hydroxylation, Epoxidation, and the Baeyer-Villiger Oxidation](#)
- [15.9: Hydrogen Peroxide is a Harmful - Reactive Oxygen Species](#)
- [15.E: Oxidation and Reduction Reactions \(Exercises\)](#)
- [15.S: Oxidation and Reduction Reactions \(Summary\)](#)

This page titled [15: Oxidation and Reduction Reactions](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Tim Soderberg](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.