

CHAPTER OVERVIEW

5: Introduction to Chemical Reactions

Chemical change is a central concept in chemistry. The goal of chemists is to know how and why a substance changes in the presence of another substance or even by itself. Because there are tens of millions of known substances, there are a huge number of possible chemical reactions. In this chapter, we will find that many of these reactions can be classified into a small number of categories according to certain shared characteristics.

[5.0: Prelude to Introduction to Chemical Reactions](#)

[5.1: The Law of Conservation of Matter](#)

[5.2: Chemical Equations](#)

[5.3: Quantitative Relationships Based on Chemical Equations](#)

[5.4: Some Types of Chemical Reactions](#)

[5.5: Oxidation-Reduction \(Redox\) Reactions](#)

[5.6: Redox Reactions in Organic Chemistry and Biochemistry](#)

[5.E: Introduction to Chemical Reactions \(Exercises\)](#)

[5.S: Introduction to Chemical Reactions \(Summary\)](#)

Template:HideTOC

 <http://en.Wikipedia.org/wiki/Exother...teReaction.jpg>

This page titled [5: Introduction to Chemical Reactions](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Anonymous](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.