

CHAPTER OVERVIEW

3: Reactions

Inorganic reactions can be described in terms of redox or acid-base concepts. Thermodynamics and electrochemistry are closely related to the analyses of redox and acid-base reactions. Although it appears that the theories of thermodynamics and electrochemistry are described by a number of complicated equations and formulae, only a few equations and parameters are required for a proper understanding. A good grasp of the sign and trend of the parameters in these key equations greatly helps this understanding. A more detailed understanding beyond this general level can be acquired by building on these basic concepts.

[3.1: Thermodynamics](#)

[3.2: Electrochemistry](#)

[3.3: Oxidation and Reduction](#)

[3.4: Acid and base](#)

This page titled [3: Reactions](#) is shared under a [CC BY-NC-SA 3.0](#) license and was authored, remixed, and/or curated by [Taro Saito](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.