

CHAPTER OVERVIEW

3: The Elements - Basic Building Blocks of Green Chemicals

“More than fifty million unique chemical substances have been identified and the number is growing at a rapid pace. Essentially all of these are composed of the 92 naturally-occurring elements and the vast majority are from twenty or fewer of the most abundant elements.”

[3.1: Elements, Atoms, and Atomic Theory](#)

[3.2: Hydrogen - The Simplest Atom](#)

[3.3: Helium - The First Noble Gas](#)

[3.4: Lithium, The First Metal](#)

[3.5: The Second Period of the Periodic Table](#)

[3.6: The Magic Octet of 8 Outer-Shell Electrons](#)

[3.7: Completing the 20-Element Periodic Table](#)

[3.8: The Brief Periodic Table is Complete](#)

[3.E: The Elements - Basic Building Blocks of Green Chemicals \(Exercises\)](#)

[3.R: References](#)

[Template:HideTOC](#)

This page titled [3: The Elements - Basic Building Blocks of Green Chemicals](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Stanley E. Manahan](#).