

## CHAPTER OVERVIEW

### 4: Chemistry of Nonmetallic Elements

There are about 20 nonmetallic elements which are generally found as either anions in ionic compounds or else as elementary substances. It is possible to learn the names, structures, and main properties of these various compounds following a relatively simple classification. Hydrides, oxides, sulfides, and halides are important, and essential for the study of pure and applied inorganic chemistry of the solid state compounds.

[4.1: Hydrogen and hydrides](#)

[4.2: Main group elements of 2nd and 3rd periods and their compounds](#)

[4.3: Oxygen and oxides \(Part 1\)](#)

[4.4: Oxygen and oxides \(Part 2\)](#)

[4.5: Chalcogens and Chalcogenides](#)

[4.6: Halogens and Halides](#)

[4.7: Noble Gases and their Compounds](#)

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