

**9IP:**

**Book: Modern Chemistry**

Chapters

Atoms: the building blocks of matter  
scientific theory

Arrangement of electrons in atoms

The periodic law

Organic chemistry

Chemical bonding

Sections

- the atom: from philosophical idea to
- the structure of the atom
- counting atoms

- the development of a new atomic model
- the quantum model of the atom
- electron configurations

- history of the periodic table
  - electron configuration and the periodic table

- organic compounds
- hydrocarbons

- introduction to chemical bonding
- covalent bonding and molecular compounds