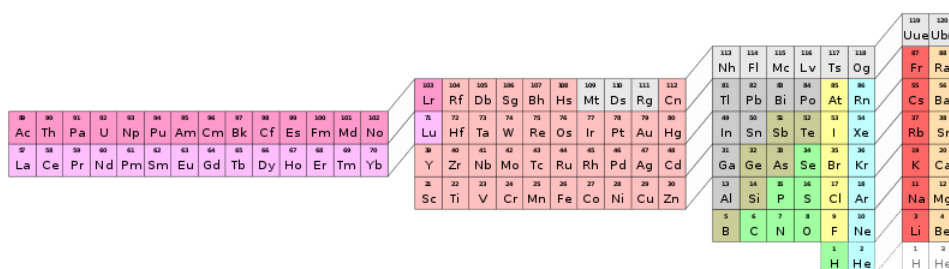


CHAPTER OVERVIEW

6: Periodic Law and Periodic Properties of the Elements




The periodic table is a tabular arrangement of the chemical elements, ordered by their atomic number (number of protons in the nucleus), electron configurations, and recurring chemical properties. The periodic table can be used to derive relationships between the properties of the elements, and predict the properties of new elements yet to be discovered or synthesized. The periodic table provides a useful framework for analyzing chemical behavior, and is widely used in chemistry and other sciences.



Chapter Sections

- 6.1: The Development of The Periodic Table
- 6.2: Electron Configurations - The Quantum Model and Periodic Structure
- 6.3: Periodicity
- 6.4: Effective Nuclear Charge and Shielding
- 6.5: Periodic Trends
 - 6.5.1: Periodic Trends in Ions
 - 6.5.2: Electronegativity

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