BASIC
INORGANIC CHEMISTRY

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PREFACE

Basic The study of the synthesis, reactions, structures, and properties of elemental compounds is known as inorganic chemistry. Inorganic chemistry includes everything else in the periodic table's compounds, both molecular and extended solids, and overlaps with organic chemistry in the area of organometallic chemistry, in which metals are bonded to carbon-containing ligands and molecules. Many practical technologies rely on inorganic chemistry, such as catalysis and materials (structural, electronic, magnetic, and so on), energy conversion and storage, and electronics. Inorganic compounds can also be found in biological systems, where they play an important role in life processes.

The book's goal is to introduce students to the fundamental concepts of inorganic chemistry and show where they come from. It begins with chemical observations and grows ideas from them. It supplements texts that begin with quantum theory of atoms and molecules and progress to a more physical approach.

This edited book of **Basic Inorganic Chemistry** begins with a focus on facts and then builds on the student's growing factual knowledge to discuss the important principles of periodicity in structure, bonding, and reactivity. This book includes separate chapters on the following subjects:

1. Covalent Bonding
2. Classification of Elements Periodicity in Properties
3. Coordinate Bonding
4. Redox Chemistry
5. Application and Research Areas of Coordination Compounds in Inorganic Chemistry
6. Concept of Hard and Soft Acids and Bases
7. Acids and Bases
8. Revisiting the Fundamentals of Acid-Base Chemistry

CONTENT

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