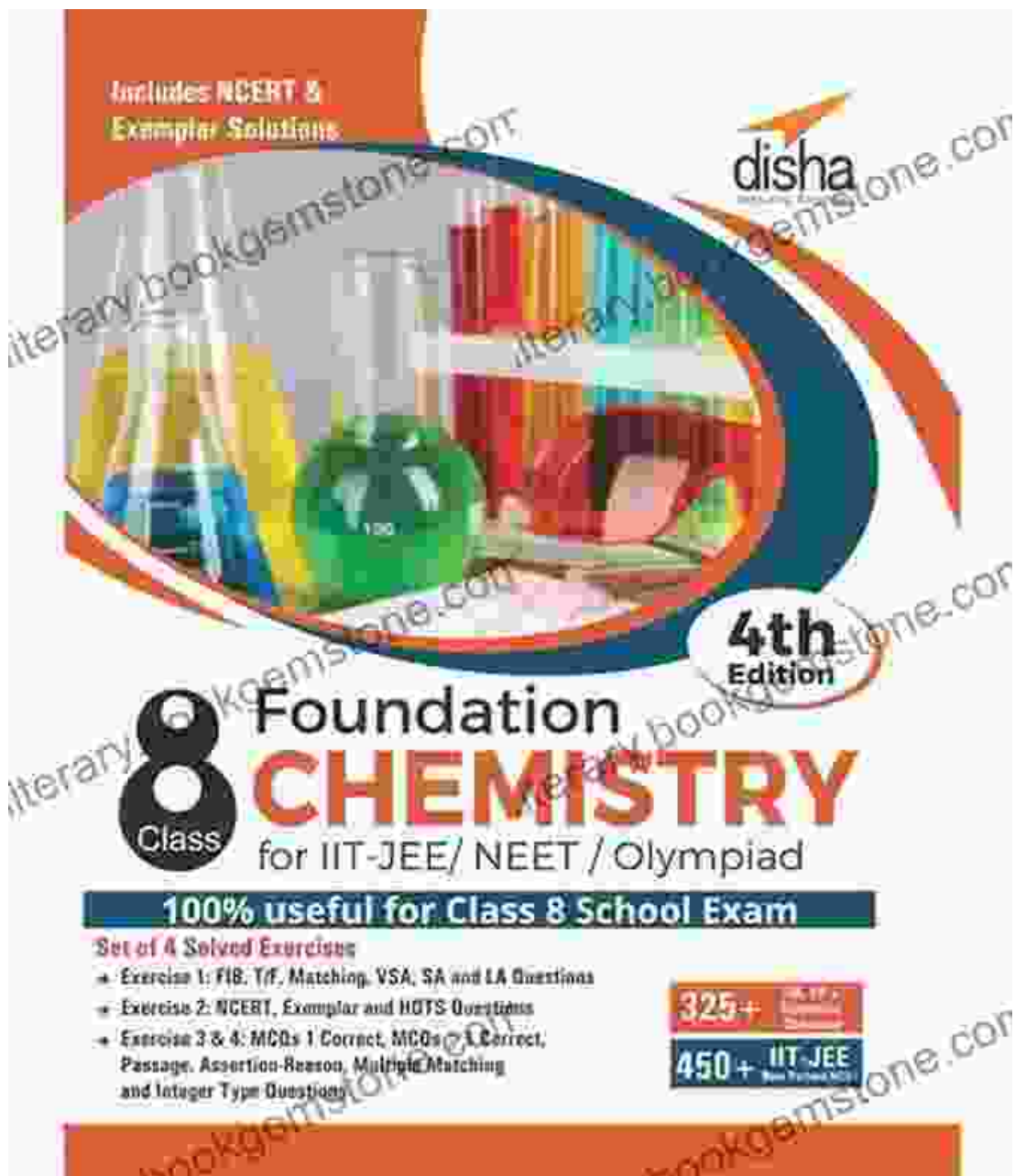


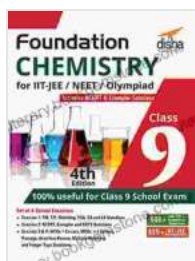
Foundation Chemistry for IIT JEE NEET Olympiad: A Comprehensive Study Guide



Chemistry is a fundamental science that plays a crucial role in various fields, including medicine, engineering, materials science, and environmental science. To excel in these fields, it is essential to have a

strong understanding of the basic principles of chemistry. This understanding can be developed through a comprehensive study of foundation chemistry.

Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition is a comprehensive textbook designed to provide a solid foundation in chemistry for students preparing for competitive examinations such as the Indian Institute of Technology Joint Entrance Examination (IIT JEE), National Eligibility cum Entrance Test (NEET), and various Olympiads. This book covers a wide range of topics, including atomic structure, chemical bonding, thermodynamics, kinetics, equilibrium, and organic chemistry.



Foundation Chemistry for IIT-JEE/ NEET/ Olympiad

Class 9 - 4th Edition by Disha Experts

★ ★ ★ ★ ☆ 4.4 out of 5

Language : English

File size : 19175 KB

Screen Reader : Supported

Print length : 40 pages

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Key Features

Comprehensive Coverage: Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition covers all the essential topics required for a comprehensive understanding of chemistry. It provides a detailed explanation of each concept with clear examples and illustrations.

Conceptual Understanding: This book focuses on developing a conceptual understanding of chemistry rather than rote memorization. It encourages students to think critically and apply their knowledge to solve problems.

Problem-Solving Skills: The book includes a large number of solved examples and practice problems to help students develop their problem-solving skills. These problems range from basic to advanced, providing a gradual progression in difficulty.

Multiple Choice Questions (MCQs): The book contains a large collection of MCQs that are designed to test students' understanding of the concepts covered in each chapter. These MCQs are similar to the ones encountered in competitive examinations.

Previous Years' JEE and NEET Papers: The book includes a compilation of selected questions from previous years' JEE and NEET papers. This helps students get a feel for the exam pattern and the types of questions that are typically asked.

Content Overview

Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition is divided into six parts:

Part 1: Atomic Structure This part covers the fundamental concepts of atomic structure, including electronic configuration, periodic trends, and quantum mechanics.

Part 2: Chemical Bonding This part discusses the different types of chemical bonding, including ionic bonding, covalent bonding, and metallic bonding. It also covers various aspects of molecular geometry and valence bond theory.

Part 3: Thermodynamics This part deals with the principles of thermodynamics, including the laws of thermodynamics, entropy, and Gibbs free energy. It explains how these concepts can be applied to chemical reactions.

Part 4: Kinetics This part covers the study of chemical reaction rates, including the factors that affect reaction rates and the mechanisms of chemical reactions. It also introduces students to the concept of catalysis.

Part 5: Equilibrium This part discusses the principles of chemical equilibrium, including the equilibrium constant, the Le Chatelier's principle, and the applications of equilibrium in chemistry.

Part 6: Organic Chemistry This part provides an overview of organic chemistry, including the nomenclature of organic compounds, the different functional groups, and the basic reactions of organic molecules.

Target Audience

Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition is primarily intended for students preparing for the following competitive examinations:

* Indian Institute of Technology Joint Entrance Examination (IIT JEE) *
National Eligibility cum Entrance Test (NEET) * Various Olympiads, such as

the International Chemistry Olympiad and the Indian National Chemistry Olympiad

This book is also beneficial for students who are interested in pursuing a career in chemistry or related fields.

Author Credentials

The author of Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition is Dr. R.C. Mukherjee. He is a renowned chemistry educator and author with over 30 years of experience in teaching chemistry at various levels. Dr. Mukherjee has written several other popular textbooks on chemistry, including Conceptual Chemistry for IIT JEE and Objective Chemistry for IIT JEE.

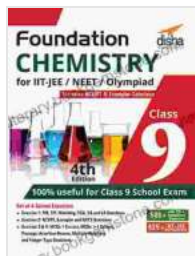
Reviews

Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition has received positive reviews from students and teachers alike. Here are some of the key takeaways from these reviews:

* "This book provides a comprehensive and in-depth coverage of all the essential topics in chemistry. It is well-written and easy to understand." * "The practice problems and MCQs are very helpful in developing problem-solving skills and preparing for competitive examinations." * "This book is not only useful for competitive examinations but also for students who want to develop a strong foundation in chemistry."

Foundation Chemistry for IIT JEE NEET Olympiad Class 4th Edition is a valuable resource for students preparing for competitive examinations in chemistry. It provides a comprehensive and conceptual approach to

chemistry, helping students develop a deep understanding of the subject. The numerous solved examples, practice problems, and MCQs make it an ideal book for students who want to excel in chemistry.



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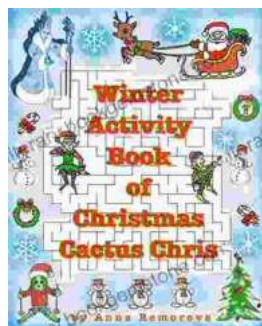
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