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Principles of Nuclear Chemistry Russell R. Williams 1950

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The Heart of Matter Victor E. Viola 1980

Organic Chemistry Study Guide Robert J. Ouellette 2015-04-30 Organic Chemistry Study Guide: Key Concepts, Problems, and Solutions features hundreds of problems from the companion book, Organic Chemistry, and includes solutions for every problem. Key concept summaries reinforce critical material from the primary book and enhance mastery of this complex subject. Organic chemistry is a constantly evolving field that has great relevance for all scientists, not just chemists. For chemical engineers, understanding the properties of organic molecules and how reactions occur is critically important to understanding the processes in an industrial plant. For biologists and health professionals, it is essential because nearly all of biochemistry springs from organic chemistry. Additionally, all

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Nuclear and Radiochemistry Gerhart Friedlander 1960

Foundations of College Chemistry Morris Hein 2013-01-01 Learning the fundamentals of chemistry can be a difficult task to undertake for health professionals. For over 35 years, Foundations of College Chemistry, Alternate 14th Edition has helped readers master the chemistry skills they need to succeed. It provides them with clear and logical explanations of chemical concepts and problem solving. They'll learn how to apply concepts with the help of worked out examples. In addition, Chemistry in Action features and conceptual questions checks brings together the understanding of chemistry and relates chemistry to things health professionals experience on a regular basis.

Radiochemical Methods William J. Geary 1986 This book presents the analytical uses of radioactive isotopes within the context of radiochemistry as a whole. It is designed for scientists with relatively little background knowledge of the subject. Thus the initial emphasis is on developing the basic concepts of radioactive decay, particularly as they affect the potential usage of radioisotopes.

An Introduction to Nuclear Chemistry, Lecture Series, May 19 to July 16, 1942 U.S. Atomic Energy Commission 1942

Study Guide and Solutions Manual to Accompany Organic Chemistry Stanislaw Skonieczny 1996

Study Guide for Whitten/Davis/Peck/Stanley's Chemistry, 10th Kenneth W. Whitten 2013-03-19 Study more effectively and improve your performance at exam time with this comprehensive guide. The guide includes chapter summaries that highlight the main themes; study goals with section references; lists of important terms; a preliminary test for each chapter that provides an average of 80 drill and concept questions; and answers to the preliminary tests. The Study Guide helps you organize the material and practice applying the concepts of the core text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Basic Concepts of Nuclear Chemistry Ralph T. Overman 1963

Student Study Guide to Accompany Petrucci's General Chemistry Robert K. Wismer 1985

Experimental Nuclear Chemistry Gregory R. Choppin 1961

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Modern Nuclear Chemistry Walter D. Loveland 2013

Nuclear Chemistry R. K. Dave 2009-01-01

Chemistry of Nuclear Power John Keith Dawson 1959

Essentials of Nuclear Chemistry Hari Jeevan Arnikar 1987-04-15 A thorough introduction to the essential topics of nuclear chemistry. With clarity and illustrative examples, it covers nuclear structure and stability, types of radioactivity and nuclear reactions, and the processes of nuclear fission and fusion. This edition offers clearer and more up-to-date coverage of the subject and incorporates entirely new material as well. New to this edition: a detailed account of nuclear magnetic resonance; coverage of the differences and limitations of the Gamov-Teller and Fermi selection rules and examples of the earliest nuclear reactions in the cosmos. Special attention is paid to the study of magnetic moments of elementary particles and nuclei. Features numerical examples with answers and a unique and helpful inclusion of historically important and interesting events.

Student Study Guide to Accompany Petrucci's General Chemistry, 3rd. Ed Robert K. Wismer 1982

Chemistry for the IB Diploma Exam Preparation Guide Steve Owen 2015-06-25 Chemistry for the IB Diploma, Second edition, covers in full the requirements of the IB syllabus for Chemistry for first examination in 2016.

Introduction to Nuclear Physics and Chemistry Bernard G. Harvey 1969 For students and research workers in any field of science who wish to study the atomic nucleus.

Study Guide and Solutions Manual for McMurry's Organic Chemistry, Fifth Edition Susan McMurry 2000 Provides answers and explanations to all in-text and end-of-chapter exercises. Also includes summaries of name reactions, functional-group synthesis and reactions, lists of reagents and abbreviations, and articles on topics ranging from infrared absorption frequencies to the Nobel Price winners in Chemistry. This edition now includes all new artwork, expanded in-text problems, summary quizzes approximately every three chapters, more detailed explanations in solutions, and chapter outlines.

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An Introduction to Nuclear Chemistry, Lecture Series, May 19 to July 19, 1942 U.S. Atomic Energy Commission 1942*

Study Guide and Solutions Manual for Seager/Slabaugh's Chemistry for Today Seager/Slabaugh 2004 The fifth edition of the Study Guide and Student Solutions Manual has been updated to reflect all of the changes to the text. This ancillary tests the student on the learning objectives in each chapter, and provides answers to all of the even numbered end-of-chapter exercises. New additional activities have been added to include a review of each section of the chapter, and a section entitled, "Tying It All Together with a Laboratory Application."

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Principles of Nuclear Chemistry Peter A. C. McPherson 2017 Principles of Nuclear Chemistry is an introductory text in nuclear chemistry and radiochemistry, aimed at undergraduates with little or no knowledge of physics. It covers the key aspects of modern nuclear chemistry and includes worked solutions to end of chapter questions. The text begins with basic theories in contemporary physics and uses these to introduce some fundamental mathematical techniques. It relates nuclear phenomena to key divisions of chemistry such as atomic structure, spectroscopy, equilibria and kinetics. It also gives an introduction to f-block chemistry and the nuclear power industry. This book is essential reading for those taking a first course in nuclear chemistry and is a useful companion to other volumes in physical and analytical chemistry. It will also be of use to those new to working in nuclear chemistry or radiochemistry.
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Study Guide for General Chemistry and College Chemistry, Ejghth Editions by Holtzclaw and Robinson Norman E. Griswold 1988
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Nuclear Chemistry M Sharon 2009 "Concentrating on techniques for the detection and measurement of radioactivity, this book offers a guide to selecting the type of counter, type of source sample, duration for which the counting must be made, and the radiation emitted by the isotope for its efficient detection. It introduces a novel concept to explain not only the decay processes but also the selection of counting procedures for detecting and measuring radioactivity. The author builds up the foundation from the nature of the interaction of radiation with matter. He also highlights the differences between an ordinary chemical laboratory and a radiochemical one."--Provided by publisher.
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Introduction to Nuclear Physics and Chemistry Harvey Bernard G 1965
Nuclear Chemistry Johnny Hofstader 2021-11-16 The branch of chemistry which deals with nuclear processes, radioactivity and transformations in the nuclei of atoms is called nuclear chemistry. Some of the transformations studied within it are nuclear transmutation and nuclear properties. It is also involved in the study of radioactive elements such as the actinides, radium and radon as well as the equipment that is designed to perform nuclear processes. The study of the chemical effects of the absorption of radiation in living animals, plants and other materials also falls under this field. The main areas that are covered under nuclear chemistry are radiation chemistry, nuclear power and nuclear reactions. This textbook provides comprehensive insights into the field of nuclear chemistry. Also included herein is a detailed explanation of the various concepts and applications of this field. This book aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.
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