
Nuclear Chemistry Concept Review Key

Introduction to Nuclear Science
 Conceptual Chemistry
 University Physics
 Radiochemistry and Nuclear Chemistry
 Principles Of Nuclear Chemistry
 Nuclear and Radiochemistry
 Nuclear Chemistry
 Nuclear Chemistry
 Review Book (Color Print): Surviving Chemistry One Concept at a Time
 Concepts in Nuclear Chemistry
 Nuclear Chemistry
 Nuclear chemistry
 Essentials of Nuclear Chemistry
 Fundamentals of General, Organic, and Biological Chemistry
 Introduction to Nuclear Science, Second Edition
 Surviving Chemistry One Concept at a Time Guided Study Book
 Nuclear Chemistry
 Radiochemistry and Nuclear Chemistry
 Modern Nuclear Chemistry
 Principles of Nuclear Chemistry
 Handbook of Nuclear Chemistry
 Basic Concepts of Nuclear Chemistry
 Holt Chemistry
 Nuclear Chemistry
 Experimental Nuclear Chemistry
 Nuclear Chemistry
 Let's Review Regents: Chemistry--Physical Setting Revised Edition
 Nuclear Chemistry
 Nuclear Chemistry
 Surviving Chemistry One Concept at a Time Guided Study Book (Color Print)
 Nuclear and Radiochemistry
 Nuclear Chemistry
 Chemistry 2e
 Introduction to Nuclear Physics and Chemistry
 An Introduction To Nuclear Chemistry
 Chemistry3
 Atomic and Nuclear Chemistry
 Basic Concepts of Nuclear Chemistry
 Nuclear and Radiochemistry
 Handbook of Nuclear Chemistry

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WINTERS DRAKE

Introduction to Nuclear Science Ane Books Pvt Ltd
 University Physics is a three-volume collection that meets the scope and sequence requirements for two- and three-semester calculus-based physics courses. Volume 1 covers mechanics, sound, oscillations, and waves. Volume 2 covers thermodynamics, electricity and magnetism, and Volume 3 covers optics and modern physics. This textbook emphasizes connections between theory and application, making physics concepts interesting and accessible to students while maintaining the mathematical rigor inherent in the subject. Frequent, strong examples focus on how to approach a problem, how to work with the equations, and how to check and generalize the result. The text and images in this textbook are grayscale.

Conceptual Chemistry New Age International
 This revised and extended 6 volume handbook set is the most comprehensive and voluminous reference work of its kind in the field of nuclear chemistry. The Handbook set covers all of the

chemical aspects of nuclear science starting from the physical basics and including such diverse areas as the chemistry of transactinides and exotic atoms as well as radioactive waste management and radiopharmaceutical chemistry relevant to nuclear medicine. The nuclear methods of the investigation of chemical structure also receive ample space and attention. The international team of authors consists of scores of world-renowned experts - nuclear chemists, radiopharmaceutical chemists and physicists - from Europe, USA, and Asia. The Handbook set is an invaluable reference for nuclear scientists, biologists, chemists, physicists, physicians practicing nuclear medicine, graduate students and teachers - virtually all who are involved in the chemical and radiopharmaceutical aspects of nuclear science. The Handbook set also provides further reading via the rich selection of references.

University Physics CRC Press

The field of nuclear and radiochemistry is wide-reaching, with results having functions and use across a variety of disciplines. Drawing on 40 years of experience in teaching and research, this concise book explains the basic principles and applications of the primary areas of nuclear and radiochemistry. Separate chapters

cover each main area of recent radiochemistry. This includes nuclear medicine and chemical aspects of nuclear power plants, namely the problems of nuclear wastes and nuclear analysis (both bulk and surface analysis), with the analytical methods based on the interactions of radiation with matter. Furthermore, special attention is paid to thermodynamics of radioisotope tracer methods, the very diluted system (carrier-free radioactive isotopes) and the principles of chemical processes with unsealed radioactive sources. This book will be helpful to students and researchers in chemistry, chemical engineering, environmental sciences, and specialists working in all fields of radiochemistry. Basic concepts are introduced and practical applications explained, providing a full view of the subject. Laboratory work with unsealed radiochemicals is discussed in details that can be applied in research and authority in the lab environment.

Radiochemistry and Nuclear Chemistry Elsevier
 PREVIEW, READ AND PRINT OVER 60 PAGES OF THIS BOOK BEFORE BUYING. Visit our website (SURVIVINGCHEM dot COM) to get a stunning online digital Flipbook preview. THE NEW 2012 REVISION (ISBN: 978-1478257868) OF THIS BOOK IS NOW AVAILABLE ON AMA-ZON . WE HIGHLY RECOMMEND THE 2012 REVISION TO THE OLD EDITION THAT YOU ARE VIEWING. PLEASE CLICK ON THE AUTHORS NAME TO FIND THE 2012 REVISION OF THIS BOOK, AND ALSO TO SEE ALL OF E3 SCHOLASTIC BOOKS. THANKS.Guided Study Book: Black Print Version: Newly revised to include the 2011 Edition Reference Tables. This Guided Study Book is a great companion to the Workbook (sold separately). This book is also available in color print for great visual and easier learning of chemistry. This Guided Study Book is available in three cover colors: Blue, Pink and Green. Your book. Your Color. Your Choice. This comprehensive Guided Study Book covers 12 high school chemistry topics. Chemistry concepts that are covered in this Guided Study Book are High School standards. This is a great study book for reviewing, learning and practicing problems on all high school chemistry concepts. Highly recommended for high school classes everywhere. Book Summary: 12 high school chemistry topics. 400 sets of concepts outlined and explained one at a time. 350 example problems with clean, clear, easy-to- follow step-by-step solutions. 400 practice questions grouped by Topics. Thousands more questions in the Workbook . Several diagrams & graphs for enhanced visual learning. Several summary tables for quick review and comparisons of similarities and differences of multiple concepts. The set-by-set grouping of notes by concepts allows for the following benefits to students. Student Benefits: . Pick and choose which concept to study. No need to study the whole topic . Focus and concentrate more effort on concepts you are struggling with. Concept facts are clearly marked for each concept so students know which information is to be memorized. Concept Facts are clearly outlined for easy studying and memorization. Concept Task are clearly marked for each concept so students know what type of problem they should be able to solve. Example problems are given and clearly solved for each concept task so students can follow and be able to solve similar problems . Problems in the Workbook (sold separately) are in the same order as covered in this Guided Study Book. Students can find help easily in this Guided Study book on how to solve any problem in the Workbook. 12 Topics of high school chemistry core curriculum standards covered in this Book: 1. Matter and Energy 2. Periodic Table 3. Atomic Structure 4. Chemical Bonding 5. Formulas and Equations 6. Mole and Stoichiometry 7. Solutions 8. Acids, bases and Salts 9. Kinetics and Equilibrium 10. Organic Chemistry 11. Redox and Electrochemistry 12. Nuclear Chemistry Teacher's Copy / Answer Key. Teacher's copy of the Guided Study Book contains answers to all questions in the book. Answers in

the book are clean, clear, bold and highlighted for easy and effortless correcting of work in the Guided Study Book. Because this book is used in chemistry classrooms of many schools, Teacher's Copy can only be purchased through the publisher. Instruction on obtaining Teacher's Copy can be found in the book, or you can visit the Publisher's website for more information. Please click on the Author's name to view more of our EXCITING, ENGAGING, and ENHANCING books in the Surviving Chemistry Book Series. Thanks and Good Luck in Chemistry.
Principles Of Nuclear Chemistry World Scientific Publishing Company

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.

Nuclear and Radiochemistry Prentice Hall

Radiochemistry or Nuclear Chemistry is the study of radiation from an atomic or molecular perspective, including elemental transformation and reaction effects, as well as physical, health and medical properties. This revised edition of one of the earliest and best known books on the subject has been updated to bring into teaching the latest developments in research and the current hot topics in the field. In order to further enhance the functionality of this text, the authors have added numerous teaching aids that include an interactive website that features testing, examples in MathCAD with variable quantities and options, hotlinks to relevant text sections from the book, and online self-grading texts. As in the previous edition, readers can closely follow the structure of the chapters from the broad introduction through the more in depth descriptions of radiochemistry then nuclear radiation chemistry and finally the guide to nuclear energy (including energy production, fuel cycle, and waste management). New edition of a well-known, respected text in the specialized field of nuclear/radiochemistry Includes an interactive website with testing and evaluation modules based on exercises in the book Suitable for both radiochemistry and nuclear chemistry courses

Nuclear Chemistry Academic Press

The Revised Edition Retains The Essential Theories Of Nuclear Structure And Stability, Radioactivity And The Principles Of Fission, Fusion And Breeder Reactors Of The Earlier Editions. The Preparation Of The More Commonly Used Radioisotopes And Their Uses As Tracers In Research, Medicine, Agriculture And Industry Are Described. The Book Also Covers The Elements Of Radiation And Radiochemistry Illustrated With Additional Examples. The Section On Mossbauer Effect Is Retained. The Chapter On The Detection And Measurement Of Radioactivity Is Revised To Include Thermo Luminescence And Cerenkov Detectors. New Additions In The Present Edition Include A Whole Chapter On The Separation And Uses Of Stable And Radioactive Isotopes Needed In Bulk Amounts In The Atomic Age. How An Extension Of Basic Principles Of Nuclear Magnetic Resonance (Nmr) Has Led To The Sophisticated Magnetic Resonance Imaging

(Mri), The Latest Diagnostic Tool In Medicine Is Discussed Lucidly. Another Chapter Is Added Entitled A Roll-Call Of Elementary Particles , Wherein The Baffling Properties Of Quarks And Gluons, With Their Esoteric Flavours, Colours, Strangeness And Charm Are Reviewed Showing How Their Scientific Characteristics Tend To Merge In Philosophy. The Book Meets The Needs Of Honours And Post-Graduate Students Offering Nuclear, Radiation And Radiochemistry.

[Nuclear Chemistry](#) Elsevier

PREVIEW, READ AND PRINT OVER 50 PAGES OF THIS BOOK BEFORE BUYING. Visit our website (SURVIVINGCHEM dot COM) to get a stunning online digital Flipbook preview. You are viewing the old edition of this book. The 2013 Revision is now available.

Chemistry concepts that are covered in this Book are High School standards. This book is recommended for classroom use, as well as reviewing, learning, and practicing chemistry concepts for class, finals and state exams. Book Summary: . A review of 13 chemistry topics grouped by lessons . Concept-by-concept review within each lesson . Clean clear easy-to-understand reading and outlines . Enhanced with colors (color prints only) for great visual learning of a difficult subject . Several example problems clearly and cleanly worked-out and explained . 50 to 96 end-of-topic questions grouped by lessons . Over 900 practice questions . 2 Full Practice Regents Exams . A great book for all chemistry classrooms. Topics covered: 1. Matter and Energy 2. The Periodic Table 3. Atomic Structure 4. Chemical Bonding 5. Formulas and Equations 6. Moles interpretations and calculations 7. Solutions 8. Acids, bases and salts 9. Kinetics and equilibrium 10. Organic chemistry 11. Redox and electrochemistry 12. Nuclear chemistry 13. Lab safety, equipments and measurements. Student Answer Sheet Booklet: For a complete classroom solution, use the review book with Student Answer Sheet Booklet (sold separately). Student Benefits: . More efficient and more engage when working on questions from the Review Book.. Better organization of assigned work. Better and easier analysis of their understanding of and performance on assigned questions Teacher Benefits: . Assigning, collecting, grading, & evaluating HW ease Answer Booklet (in Color Print): The answer Booklet contains answers to all questions in the Review Book. Answers to review book questions are in color prints for easy and effortless grading. Because this Review Book is used in chemistry classrooms of many schools, Answer Booklet can only be purchased through the publisher. Instruction on obtaining Answer Booklet can be found in the book. You can also visit Publisher's website for more information. Please click on the Author's name to view more of our EXCITING, ENGAGING, and ENHANCING books in the Surviving Chemistry Book Series. Thanks and Good Luck in Chemistry.

[Review Book \(Color Print\): Surviving Chemistry One Concept at a Time](#) CreateSpace

This handbook gives a complete and concise description of the up-to-date knowledge of nuclear and radiochemistry and applications in the various fields of science. It is based on teaching courses and on research for over 40 years. The book is addressed to any researcher wishing sound knowledge about the properties of matter, be it a chemist, a physicist, a medical doctor, a mineralogist or a biologist. They will all find it a valuable source of information about the principles and applications of nuclear and radiochemistry. Research in radiochemistry includes: Study of radioactive matter in nature, investigation of radioactive transmutations by chemical methods, chemistry of radioelements etc. Applications include: Radionuclides in geo- and cosmochemistry, dating by nuclear methods, radioanalysis, Mössbauer spectroscopy and related methods, behaviour of natural and man-made radionuclides in the environment,

dosimetry and radiation protection. All subjects are presented clearly and comprehensibly, and in logical sequence. Detailed derivations of equations are avoided and relevant information is compiled in tables. The recent edition of the multi-coloured Karlsruhe 'Chart of the Nuclides' is included. Clearly a standard work by an author with extensive experience in research and teaching.

Concepts in Nuclear Chemistry CRC Press

Chemistry 2e is designed to meet the scope and sequence requirements of the two-semester general chemistry course. The textbook provides an important opportunity for students to learn the core concepts of chemistry and understand how those concepts apply to their lives and the world around them. The book also includes a number of innovative features, including interactive exercises and real-world applications, designed to enhance student learning. The second edition has been revised to incorporate clearer, more current, and more dynamic explanations, while maintaining the same organization as the first edition. Substantial improvements have been made in the figures, illustrations, and example exercises that support the text narrative. Changes made in Chemistry 2e are described in the preface to help instructors transition to the second edition.

Nuclear Chemistry Simon and Schuster

"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.

Nuclear chemistry Larsen and Keller Education

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.

Essentials of Nuclear Chemistry Discovery Publishing House
Written by established experts in the field, this book features in-depth discussions of proven scientific principles, current trends, and applications of nuclear chemistry to the sciences and engineering. • Provides up-to-date coverage of the latest research and examines the theoretical and practical aspects of nuclear and radiochemistry • Presents the basic physical principles of nuclear and radiochemistry in a succinct fashion, requiring no basic knowledge of quantum mechanics • Adds discussion of math tools and simulations to demonstrate various phenomena, new chapters on Nuclear Medicine, Nuclear Forensics and Particle Physics, and updates to all other chapters • Includes additional in-chapter sample problems with solutions to help students • Reviews of 1st edition: "... an authoritative, comprehensive but succinct, state-of-the-art textbook" (The Chemical Educator) and "...an excellent resource for libraries and

laboratories supporting programs requiring familiarity with nuclear processes ..." (CHOICE)

Fundamentals of General, Organic, and Biological Chemistry John Wiley & Sons

Fundamentals of General, Organic, and Biological Chemistry by McMurry, Ballantine, Hoeger, and Peterson provides background in chemistry and biochemistry with a relatable context to ensure students of all disciplines gain an appreciation of chemistry's significance in everyday life. Known for its clarity and concise presentation, this book balances chemical concepts with examples, drawn from students' everyday lives and experiences, to explain the quantitative aspects of chemistry and provide deeper insight into theoretical principles. The Seventh Edition focuses on making connections between General, Organic, and Biological Chemistry through a number of new and updated features -- including all-new Mastering Reactions boxes, Chemistry in Action boxes, new and revised chapter problems that strengthen the ties between major concepts in each chapter, practical applications, and much more. NOTE: this is just the standalone book, if you want the book/access card order the ISBN below: 032175011X / 9780321750112 *Fundamentals of General, Organic, and Biological Chemistry Plus MasteringChemistry with eText -- Access Card Package* Package consists of: 0321750837 / 9780321750839 *Fundamentals of General, Organic, and Biological Chemistry* 0321776461 / 9780321776464

MasteringChemistry with Pearson eText -- Valuepack Access Card -- for Fundamentals of General, Organic, and Biological Chemistry Introduction to Nuclear Science, Second Edition Springer Science & Business Media

Introduction to Radiation Chemistry Third Edition J. W. T. Spinks and R. J. Woods The only single source guide to radiation chemistry has now been expanded to include new material on applied radiation chemistry and experimental methods, as well as gaseous and solid systems. Other enhancements include broadened coverage of chemical reactions initiated by high-energy and their commercial applications, as well as new topics related to kinetics and experimental procedures. The Third Edition features numerical data in SI units, simplifying most radiation-chemical calculations, an expanded problem section, and key references updated to reflect recent research. 1990 (0 471-61403-3) 574 pp. *The Elements Beyond Uranium* Glenn T. Seaborg and Walter D. Loveland Written by the team of Nobel Laureate Glenn Seaborg--an active participant in the discovery of transuranium elements--and leading chemist, Walter Loveland, here is a unique inside account of the discovery of these elements as well as the first definitive look at their chemical, physical, and nuclear properties. The book contains detailed discussions of nuclear synthesis reactions, experimental techniques, natural occurrence, superheavy elements, practical applications, and predictions for the future, as well as such special features as excerpts from original notebooks, pictures of element discovery teams, and up-to-date tables of nuclear properties. 1990 (0 471-89062-6) 359 pp.

Surviving Chemistry One Concept at a Time Guided Study Book CreateSpace

THE NEW AND REVISED EDITION OF THIS BOOK WILL BE AVAILABLE JULY 15, 2012. *Surviving Chemistry Guided Study Book: Simplifying and making High School Chemistry more exciting learn, more engaging to study, and easier to understand for every student.* Newly revised to include the new 2011 Edition Reference Tables. Color Print Version: Enhanced with colors for great visual learning of a difficult subject. This Guided Study Book is a great companion to the Workbook (sold separately). This book is also available in blackprint for a much cheaper price. This Guided Study Book is available in three cover colors: Blue, Pink

and Green. Your book. Your Color. Your Choice. This comprehensive Guided Study Book covers 12 high school chemistry topics. Chemistry concepts that are covered in this Guided Study Book are High School standards. This is a great study book for reviewing, learning and practicing problems on all high school chemistry concepts. Highly recommended for high school classes everywhere. Book Summary: 12 high school chemistry topics. 400 sets of concepts outlined and explained one at a time. 350 example problems with clean, clear, easy-to-follow step-by-step solutions. 400 practice questions grouped by Topics. Thousands more questions in the Workbook. Several diagrams & graphs for enhanced visual learning. Several summary tables for quick review and comparisons of similarities and differences of multiple concepts. The set-by-set grouping of notes by concepts allows for the following benefits to students. Student Benefits: . Pick and choose which concept to study. No need to study the whole topic. Focus and concentrate more effort on concepts you are struggling with. Concept facts are clearly marked for each concept so students know which information is to be memorized. Concept Facts are clearly outlined for easy studying and memorization. Concept Task are clearly marked for each concept so students know what type of problem they should be able to solve. Example problems are given and clearly solved for each concept task so students can follow and be able to solve similar problems. Problems in the Workbook (sold separately) are in the same order as covered in this Guided Study Book. Students can find help easily in this Guided Study book on how to solve any problem in the Workbook. 12 Topics of high school chemistry core curriculum standards covered in this Book: 1. Matter and Energy 2. Periodic Table 3. Atomic Structure 4. Chemical Bonding 5. Formulas and Equations 6. Mole and Stoichiometry 7. Solutions 8. Acids, bases and Salts 9. Kinetics and Equilibrium 10. Organic Chemistry 11. Redox and Electrochemistry 12. Nuclear Chemistry Teacher's Copy / Answer Key. Teacher's copy of the Guided Study Book contains answers to all questions in the book. Answers in the book are clean, clear, bold and highlighted for easy and effortless correcting of work in the Guided Study Book. Because this book is used in chemistry classrooms of many schools, Teacher's Copy can only be purchased through the publisher. Instruction on obtaining Teacher's Copy can be found in the book, or you can visit the Publisher's website for more information. Please click on the Author's name to view more of our EXCITING, ENGAGING, and ENHANCING books in the Surviving Chemistry Book Series. Thanks and Good Luck in Chemistry.

Nuclear Chemistry Oxford University Press

This book was written to provide students who have limited backgrounds in the physical sciences and math with an accessible textbook on nuclear science. Expanding on the foundation of the bestselling first edition, *Introduction to Nuclear Science, Second Edition* provides a clear and complete introduction to nuclear chemistry and physics, from basic concepts to nuclear power and medical applications. Incorporating suggestions from professors using this book for their courses, the author has created a new text that is approximately 60 percent larger and more comprehensive and flexible than the first. New to This Edition: Thorough review of nuclear forensics, radiology, gamma cameras, and decay through proton or neutron emission More detailed explanations of the necessary mathematics A chapter on dosimetry of radiation fields Expanded discussion of applications, introduced earlier in the text More in-depth coverage of nuclear reactors, including a new chapter examining more reactor types, their safety systems, and recent accidents such as the one in Fukushima, Japan Additional end-of-chapter problems throughout the book A new appendix

with nuclear data for all nuclides mentioned. This book covers energetics, nuclear stability, radioactive decay, nuclear reactions, interactions of radiation with matter, detection methods, and safety measures, including monitoring and regulations. It explores applications in medicine, power generation, food safety, waste, and weapons. This updated, expanded edition provides a much-needed textbook and resource for undergraduate students in science and engineering as well as those studying nuclear medicine and radiation therapy. It also serves as a general introduction to nuclear science for all interested readers.

Radiochemistry and Nuclear Chemistry National Academies
Impressive in its overall size and scope, this five-volume reference work provides researchers with the tools to push them into the forefront of the latest research. The Handbook covers all of the chemical aspects of nuclear science starting from the physical basics and including such diverse areas as the chemistry of transactinides and exotic atoms as well as radioactive waste management and radiopharmaceutical chemistry relevant to nuclear medicine. The nuclear methods of the investigation of chemical structure also receive ample space and attention. The international team of authors consists of 77 world-renowned experts - nuclear chemists, radiopharmaceutical chemists and physicists - from Austria, Belgium, Germany, Great Britain, Hungary, Holland, Japan, Russia, Sweden, Switzerland and the United States. The Handbook is an invaluable reference for nuclear scientists, biologists, chemists, physicists, physicians practicing nuclear medicine, graduate students and teachers - virtually all who are involved in the chemical and

radiopharmaceutical aspects of nuclear science. The Handbook also provides for further reading through its rich selection of references.

Modern Nuclear Chemistry John Wiley & Sons

Contents: The Development of Nuclear Chemistry, Fundamental Particles and Nuclear Structure, Radioactivity and Nuclear Reactions, Properties of Nuclear Radiations, The Detection and Measurement of Nuclear Radiation, Nuclear Instrumentation, Radiation Chemistry, Isotope Measurement and Separation Methods, Charged Particle Accelerators, Neutron Sources, Production and the Actinides, Uses of Isotopes, Experimental Nuclear Chemistry.

Principles of Nuclear Chemistry Prentice Hall

Radiochemistry or nuclear chemistry is the study of radiation from an atomic and molecular perspective, including elemental transformation and reaction effects, as well as physical, health and medical properties. This revised edition of one of the earliest and best-known books on the subject has been updated to bring into teaching the latest developments in research and the current hot topics in the field. To further enhance the functionality of this text, the authors have added numerous teaching aids, examples in MathCAD with variable quantities and options, hotlinks to relevant text sections from the book, and online self-grading tests. New edition of a well-known, respected text in the specialized field of nuclear/radiochemistry. Includes an interactive website with testing and evaluation modules based on exercises in the book. Suitable for both radiochemistry and nuclear chemistry courses.