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The Golden Book of Chemistry Experiments Cambridge International AS and A Level Chemistry Coursebook with CD-ROM Introduction to Chemistry Introductory Chemistry Chemistry Understanding Chemistry Chemistry for the IB Diploma Coursebook with Free Online Material New School Chemistry Introduction to Reticular Chemistry Complete Chemistry for Cambridge IGCSE® AQA Chemistry: A Level Physical Inorganic Chemistry Organic Chemistry Atkins' Physical Chemistry 11e A-Level Chemistry B.Sc. Chemistry - II (UGC) Chemistry Education Complete Chemistry Textbook of Organic Medicinal and Pharmaceutical Chemistry Essentials of Physical Chemistry Chemistry for Pharmacy Students Chemistry 2e Dynamic Covalent Chemistry Essentials of Physical Chemistry Handbook of Combinatorial Chemistry Sustainable Industrial Chemistry Silicon Chemistry Chemistry March's Advanced Organic Chemistry The Art of Process Chemistry Advanced Inorganic Chemistry European Women in Chemistry Organic Chemistry The History of Chemistry Orbital Interactions in Chemistry Solvents and Solvent Effects in Organic Chemistry Plasma Chemistry Modern Fluoroorganic Chemistry Chemistry for Engineering Students Quantum Chemistry

Providing a fundamental introduction to all aspects of modern plasma chemistry, this book describes mechanisms and kinetics of chemical processes in plasma, plasma statistics, thermodynamics, fluid mechanics and electrodynamics, as well as all major electric discharges applied in plasma chemistry. Fridman considers most of the major applications of plasma chemistry, from electronics to thermal coatings, from treatment of polymers to fuel conversion and hydrogen production and from plasma metallurgy to plasma medicine. It is helpful to engineers, scientists and students interested in plasma physics, plasma chemistry, plasma engineering and combustion, as well as chemical physics, lasers, energy systems and environmental control. The book contains an extensive database on plasma kinetics and thermodynamics and numerical formulas for practical calculations related to specific plasma-chemical processes and applications. Problems and concept questions are provided, helpful in courses related to plasma, lasers, combustion, chemical kinetics, statistics and thermodynamics, and high-temperature and high-energy fluid mechanics. Chemistry for the IB Diploma, Second edition, covers in full the requirements of the IB syllabus for Chemistry for first examination in 2016. The Second edition of this well-received Coursebook is fully updated for the IB Chemistry syllabus for first examination in 2016, comprehensively covering all requirements. Get the best coverage of the syllabus with clear assessment statements, and links to Theory of Knowledge, International-mindedness and Nature of Science themes. Exam preparation is supported with plenty of sample exam questions, online test questions and exam tips. Chapters covering the Options and Nature of Science, assessment guidance and answers to questions are included in the additional online material available with the book. Rev. ed. of: Organic chemistry / Jonathan Clayden ... [et al.]. Ideal for those who have previously studied organic chemistry but not in great depth and with little exposure to organic chemistry in a formal sense. This text aims to bridge the gap between introductory-level instruction and more advanced graduate-level texts, reviewing the basics as well as presenting the more advanced ideas that are currently of importance in organic chemistry. * Provides students with the organic chemistry background required to succeed in advanced courses. * Practice problems included at the end of each chapter. In recent years the need for sustainable process design and alternative reaction routes to reduce industry's impact on the environment has gained vital importance. The book begins with a general overview of new trends in designing industrial chemical processes which are environmentally friendly and economically feasible. Specific examples written by experts from industry cover the possibilities of running industrial chemical processes in a sustainable manner and provide an up-to-date insight into the main concerns, e.g., the use of renewable raw materials, the use of alternative energy sources in chemical processes, the design of intrinsically safe processes, microreactor and integrated reaction/separation technologies, process intensification, waste reduction, new

catalytic routes and/or solvent and process optimization. GEORGE CHRISTOU Indiana University, Bloomington I am no doubt representative of a large number of current inorganic chemists in having obtained my undergraduate and postgraduate degrees in the 1970s. It was during this period that I began my continuing love affair with this subject, and the fact that it happened while I was a student in an organic laboratory is beside the point. I was always enchanted by the more physical aspects of inorganic chemistry; while being captivated from an early stage by the synthetic side, and the measure of creation with a small c that it entails, I nevertheless found the application of various theoretical, spectroscopic and physicochemical techniques to inorganic compounds to be fascinating, stimulating, educational and downright exciting. The various bonding theories, for example, and their use to explain or interpret spectroscopic observations were more or less universally accepted as belonging within the realm of inorganic chemistry, and textbooks of the day had whole sections on bonding theories, magnetism, kinetics, electron-transfer mechanisms and so on. However, things changed, and subsequent inorganic chemistry teaching texts tended to emphasize the more synthetic and descriptive side of the field. There are a number of reasons for this, and they no doubt include the rise of diamagnetic organometallic chemistry as the dominant subdiscipline within inorganic chemistry and its relative narrowness vis-à-vis physical methods required for its prosecution. Fully updated and matched to the Cambridge syllabus, this stretching Student Book is trusted by teachers around the world to support advanced understanding and achievement at IGCSE. The popular, stretching approach will help students to reach their full potential. Written by experienced authors, this updated edition is full of engaging content with up-to-date examples to cover all aspects of the Cambridge syllabus. The step-by-step approach will lead students through the course in a logical learning order building knowledge and practical skills with regular questions and practical activities. Extension material will stretch the highest ability students and prepare them to take the next step in their learning. Practice exam questions will consolidate student understanding and prepare them for exam success. You will also receive free access to extra support online, including practice exam questions, revision checklists and advice on how to prepare for an examination. Available for the first time with Macmillan's new online learning tool, Achieve, Introductory Chemistry is the result of a unique author vision to develop a robust combination of text and digital resources that motivate and build student confidence while providing a foundation for their success. Kevin Revell knows and understands students today. Perfectly suited to the new Achieve platform, Kevin's thoughtful and media-rich program, creates light bulb moments for introductory chemistry students and provides unrivaled support for instructors. The second edition of Introductory Chemistry builds on the strengths of the first edition - drawing students into the course through engagement and building their foundational knowledge - while introducing new content and resources to help students build critical thinking and problem-solving skills. Revell's distinct author voice in the text is mirrored in the digital content, allowing students flexibility and ensuring a fully supported learning experience—whether using a book or going completely digital in Achieve. Achieve supports educators and students throughout the full flexible range of instruction, including resources to support learning of core concepts, visualization, problem-solving and assessment. Powerful analytics and instructor support resources in Achieve pair with exceptional Introductory Chemistry content to provide an unrivaled learning experience. Now Supported in Achieve Achieve supports educators and students throughout the full flexible range of instruction, including resources to support learning of core concepts, visualization, problem-solving and assessment. Powerful analytics and instructor support resources in Achieve pair with exceptional Introductory Chemistry content provides an unrivaled learning experience. Features of Achieve include: A design guided by learning science research. Co-designed through extensive collaboration and testing by both students and faculty including two levels of Institutional Review Board approval for every study of Achieve An interactive e-book with embedded multimedia and features for highlighting, note-taking and accessibility support A flexible suite of

resources to support learning core concepts, visualization, problem-solving and assessment. A detailed gradebook with insights for just-in-time teaching and reporting on student and full class achievement by learning objective. Easy integration and gradebook sync with iClicker classroom engagement solutions. Simple integration with your campus LMS and availability through Inclusive Access programs. New media and assessment features in Achieve include: In most cases, every chemist must deal with solvent effects, whether voluntarily or otherwise. Since its publication, this has been the standard reference on all topics related to solvents and solvent effects in organic chemistry. Christian Reichardt provides reliable information on the subject, allowing chemists to understand and effectively use these phenomena. 3rd updated and enlarged edition of a classic 35% more contents excellent, proven concept includes current developments, such as ionic liquids indispensable in research and industry From the reviews of the second edition: "...This is an immensely useful book, and the source that I would turn to first when seeking virtually any information about solvent effects." —Organometallics The combined results from an international research project involving 40 interdisciplinary groups, providing the latest knowledge from the past few years. Adopting an application-oriented approach, this handy reference is a must-have for every silicon chemist, whether working in inorganic, organic, physical or polymer chemistry, materials science or physics. At a time when U.S. high school students are producing low scores in mathematics and science on international examinations, a thorough grounding in physical chemistry should not be considered optional for science undergraduates. Based on the author's thirty years of teaching, Essentials of Physical Chemistry merges coverage of calculus with chemist Essentials of Physical Chemistry is a classic textbook on the subject explaining fundamentals concepts with discussions, illustrations and exercises. With clear explanation, systematic presentation, and scientific accuracy, the book not only helps the students clear misconceptions about the basic concepts but also enhances students' ability to analyse and systematically solve problems. This bestseller is primarily designed for B.Sc. students and would equally be useful for the aspirants of medical and engineering entrance examinations. Explains the underlying structure that unites all disciplines in chemistry Now in its second edition, this book explores organic, organometallic, inorganic, solid state, and materials chemistry, demonstrating how common molecular orbital situations arise throughout the whole chemical spectrum. The authors explore the relationships that enable readers to grasp the theory that underlies and connects traditional fields of study within chemistry, thereby providing a conceptual framework with which to think about chemical structure and reactivity problems. Orbital Interactions in Chemistry begins by developing models and reviewing molecular orbital theory. Next, the book explores orbitals in the organic-main group as well as in solids. Lastly, the book examines orbital interaction patterns that occur in inorganic-organometallic fields as well as cluster chemistry, surface chemistry, and magnetism in solids. This Second Edition has been thoroughly revised and updated with new discoveries and computational tools since the publication of the first edition more than twenty-five years ago. Among the new content, readers will find: Two new chapters dedicated to surface science and magnetic properties Additional examples of quantum calculations, focusing on inorganic and organometallic chemistry Expanded treatment of group theory New results from photoelectron spectroscopy Each section ends with a set of problems, enabling readers to test their grasp of new concepts as they progress through the text. Solutions are available on the book's ftp site. Orbital Interactions in Chemistry is written for both researchers and students in organic, inorganic, solid state, materials, and computational chemistry. All readers will discover the underlying structure that unites all disciplines in chemistry. Atkins' Physical Chemistry: Molecular Thermodynamics and Kinetics is designed for use on the second semester of a quantum-first physical chemistry course. Based on the hugely popular Atkins' Physical Chemistry, this volume approaches molecular thermodynamics with the assumption that students will have studied quantum mechanics in their first semester. The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organised into discrete 'topics', the text is more flexible to teach from and more readable for students. Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the math

is used to show how it can be answered and progress made. The expanded and redistributed maths support also includes new 'Chemist's toolkits' which provide students with succinct reminders of mathematical concepts and techniques right where they need them. Checklists of key concepts at the end of each topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry. Please note this title is suitable for any student studying: Exam Board: AQA Level: A Level Subject: Chemistry First teaching: September 2015 First exams: June 2017 Fully revised and updated for the new linear qualification, written and checked by curriculum and specification experts, this Student Book supports and extends students through the new course whilst delivering the maths, practical and synoptic skills needed to succeed in the new A Levels and beyond. The book uses clear straightforward explanations to develop real subject knowledge and allow students to link ideas together, while developing essential exam skills. For more than a quarter century, Cotton and Wilkinson's Advanced Inorganic Chemistry has been the source that students and professional chemists have turned to for the background needed to understand current research literature in inorganic chemistry and aspects of organometallic chemistry. Like its predecessors, this updated Sixth Edition is organized around the periodic table of elements and provides a systematic treatment of the chemistry of all chemical elements and their compounds. It incorporates important recent developments with an emphasis on advances in the interpretation of structure, bonding, and reactivity." /p> From the reviews of the Fifth Edition: "The first place to go when seeking general information about the chemistry of a particular element, especially when up-to-date, authoritative information is desired." —Journal of the American Chemical Society "Every student with a serious interest in inorganic chemistry should have [this book]." —Journal of Chemical Education "A mine of information . . . an invaluable guide." —Nature "The standard by which all other inorganic chemistry books are judged." —Nouveau Journal de Chimie "A masterly overview of the chemistry of the elements." —The Times of London Higher Education Supplement "A bonanza of information on important results and developments which could otherwise easily be overlooked in the general deluge of publications." —Angewandte Chemie Providing must-have knowledge for the pharmaceutical industry and process chemists in industry, this ready reference offers solutions for saving time and money and supplying -- in a sustainable way -- valuable products. Application-oriented and well structured, each chapter presents successful strategies for the latest modern drugs, showing how to provide very fast bulk quantities of drug candidates. Throughout, the text illustrates how all the key factors are interwoven and dependent on one another in creating optimized methods for optimal products. For B.Sc 2nd year students of all Indian Universities. The book has been prepared keeping view the syllabi prepared by different universities on the basis of Model UGC Curriculum. A large number of illustrations, pictures and interesting examples have been provided to make the reading interesting and understandable. The question that have been provided in the Exercise are in tune with the latest pattern of examination. K.C. Nicolaou - Winner of the Nemitsas Prize 2014 in Chemistry At long last, the mechanism-based and application-oriented handbook of combinatorial chemistry. Since its very beginning, research in this field has continued to develop at a rapid rate. Increasingly elegant methods are being invented and an even wider range of possible applications is still being discovered, such that combinatorial chemistry is now an integral part of industrial and academic research. The high-class editorial team - K. C. Nicolaou of The Scripps Institute and UCSD, and R. Hanko and W. Hartwig from Bayer - ensure comprehensive coverage and top quality contributions. This two-volume work deals with synthetic chemistry in all its forms, applications from life sciences, chemistry and material sciences, all there is to know about compound library design and synthesis, and, of course, the general basics - making it an indispensable reference for synthetic, organic and medicinal chemists, chemical biologists as well as material scientists. Designed for students in Nebo School District, this text covers the Utah State Core Curriculum for chemistry with few additional topics. CHEMISTRY FOR ENGINEERING STUDENTS, connects chemistry to engineering, math, and physics; includes problems and applications specific to engineering; and offers realistic worked problems in every chapter that speak to your interests as a future engineer. Packed with built-in study tools, this textbook gives you the resources you need to

master the material and succeed in the course. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. A concise introduction to the chemistry and design principles behind important metal-organic frameworks and related porous materials Reticular chemistry has been applied to synthesize new classes of porous materials that are successfully used for myriad applications in areas such as gas separation, catalysis, energy, and electronics. Introduction to Reticular Chemistry gives an unique overview of the principles of the chemistry behind metal-organic frameworks (MOFs), covalent organic frameworks (COFs), and zeolitic imidazolate frameworks (ZIFs). Written by one of the pioneers in the field, this book covers all important aspects of reticular chemistry, including design and synthesis, properties and characterization, as well as current and future applications Designed to be an accessible resource, the book is written in an easy-to-understand style. It includes an extensive bibliography, and offers figures and videos of crystal structures that are available as an electronic supplement. Introduction to Reticular Chemistry: -Describes the underlying principles and design elements for the synthesis of important metal-organic frameworks (MOFs) and related materials -Discusses both real-life and future applications in various fields, such as clean energy and water adsorption -Offers all graphic material on a companion website -Provides first-hand knowledge by Omar Yaghi, one of the pioneers in the field, and his team. Aimed at graduate students in chemistry, structural chemists, inorganic chemists, organic chemists, catalytic chemists, and others, Introduction to Reticular Chemistry is a groundbreaking book that explores the chemistry principles and applications of MOFs, COFs, and ZIFs. This book is designed to help the non-specialist user of spectroscopic measurements and electronic structure computations to achieve a basic understanding of the underlying concepts of quantum chemistry. The book can be used to teach introductory quantum c This highly regarded textbook covers all the main A Level Chemistry specifications.

"Chemistry: Atoms First is a peer-reviewed, openly licensed introductory textbook produced through a collaborative publishing partnership between OpenStax and the University of Connecticut and UConn Undergraduate Student Government Association. This title is an adaptation of the OpenStax Chemistry text and covers scope and sequence requirements of the two-semester general chemistry course. Reordered to fit an atoms first approach, this title introduces atomic and molecular structure much earlier than the traditional approach, delaying the introduction of more abstract material so students have time to acclimate to the study of chemistry. Chemistry: Atoms First also provides a basis for understanding the application of quantitative principles to the chemistry that underlies the entire course."--Open Textbook Library.

Winner of the CHOICE Outstanding Academic Title 2017 Award This comprehensive collection of top-level contributions provides a thorough review of the vibrant field of chemistry education. Highly-experienced chemistry professors and education experts cover the latest developments in chemistry learning and teaching, as well as the pivotal role of chemistry for shaping a more sustainable future. Adopting a practice-oriented approach, the current challenges and opportunities posed by chemistry education are critically discussed, highlighting the pitfalls that can occur in teaching chemistry and how to circumvent them. The main topics discussed include best practices, project-based education, blended learning and the role of technology, including e-learning, and science visualization. Hands-on recommendations on how to optimally implement innovative strategies of teaching chemistry at university and high-school levels make this book an essential resource for anybody interested in either teaching or learning chemistry more effectively, from experience chemistry professors to secondary school teachers, from educators with no formal training in didactics to frustrated chemistry students. BANNED: The Golden Book of Chemistry Experiments was a children's chemistry book written in the 1960s by Robert Brent and illustrated by Harry Lazarus, showing how to set up your own home laboratory and conduct over 200 experiments. The book is controversial, as many of the experiments contained in the book are now considered too dangerous for the general public. There are apparently only 126 copies of this book in libraries worldwide. Despite this, its known as one of the best DIY chemistry books every published. The book was a source of inspiration to David Hahn, nicknamed "the Radioactive Boy Scout" by the media, who tried to collect a sample of every chemical element and also built a model nuclear reactor (nuclear reactions however are not covered in this book), which led to the involvement of the authorities. On the other hand, it has also been the inspiration for many children who went on to get advanced degrees and

productive chemical careers in industry or academia. "I have no dress except the one I wear every day. If you are going to be kind enough to give me one, please let it be practical and dark so that I can put it on afterwards to go to the laboratory", said Marie Curie about her wedding dress. According to her lecture notes, Gertrude B. Elion is quoted a few decades later: "Don't be afraid of hard work. Don't let others discourage you, or tell you that you can't do it. In my day I was told women didn't go into chemistry. I saw no reason why we couldn't." These two quotations from famous, Nobel Prize winning chemists amply demonstrate the challenges that female scientists in the past centuries have had to overcome; challenges that are still sometimes faced by the current generation. They "must have the noblest courage, quite extraordinary talents and superior genius" wrote Carl Friedrich Gauss 1807 in a letter to mathematician Sophie Germain. For the official book to celebrate the International Year of Chemistry, the European Association for Chemical and Molecular Sciences (EuCheMS) has chosen one of the central goals of the International Year: the contribution and role of women in chemistry. This celebration, which is the focus of European Women in Chemistry, takes us on a journey through centuries of chemical research, focusing on the lives of those amazing women from ancient times to the current day who dared to study this subject, often against advice or societal expectations. These portraits emphasize the extraordinary path and personality of these fascinating women, their major contribution to chemistry, but all in the context of their time and social environment. Some of these women, like Marie Curie and Dorothy Crowfoot Hodgkin, are famous and still well-known today. Others have contributed significantly to the development of science and lived an exceptional life, but are nowadays almost forgotten. This book is a tribute to all of them and a motivation for new generations to come to tread new paths, fight for unusual ideas and control one's own destiny. The first and only exhaustive review of the theory, thermodynamic fundamentals, mechanisms, and design principles of dynamic covalent systems Dynamic Covalent Chemistry: Principles, Reactions, and Applications presents a comprehensive review of the theory, thermodynamic fundamentals, mechanisms, and design principles of dynamic covalent systems. It features contributions from a team of international scientists, grouped into three main sections covering the principles of dynamic covalent chemistry, types of dynamic covalent chemical reactions, and the latest applications of dynamic covalent chemistry (DCvC) across an array of fields. The past decade has seen tremendous progress in (DCvC) research and industrial applications. The great synthetic power and reversible nature of this chemistry has enabled the development of a variety of functional molecular systems and materials for a broad range of applications in organic synthesis, materials development, nanotechnology, drug discovery, and biotechnology. Yet, until now, there have been no authoritative references devoted exclusively to this powerful synthetic tool, its current applications, and the most promising directions for future development. Dynamic Covalent Chemistry: Principles, Reactions, and Applications fills the yawning gap in the world literature with comprehensive coverage of: The energy landscape, the importance of reversibility, enthalpy vs. entropy, and reaction kinetics Single-type, multi-type, and non-covalent reactions, with a focus on the advantages and disadvantages of each reaction type Dynamic covalent assembly of discrete molecular architectures, responsive polymer synthesis, and drug discovery Important emerging applications of dynamic covalent chemistry in nanotechnology, including both material- and bio-oriented directions Real-world examples describing a wide range of industrial applications for organic synthesis, functional materials development, nanotechnology, drug delivery and more Dynamic Covalent Chemistry: Principles, Reactions, and Applications is must-reading for researchers and chemists working in dynamic covalent chemistry and supramolecular chemistry. It will also be of value to academic researchers and advanced students interested in applying the principles of (DCvC) in organic synthesis, functional materials development, nanotechnology, drug discovery, and chemical biology. Emphasises on contemporary applications and an intuitive problem-solving approach that helps students discover the exciting potential of chemical science. This book incorporates fresh applications from the three major areas of modern research: materials, environmental chemistry, and biological science. The Sixth Edition of a classic in organic chemistry continues its tradition of excellence Now in its sixth edition, March's Advanced Organic Chemistry remains the gold standard in organic chemistry. Throughout its six editions, students and chemists from around the world have relied on it as an essential resource for planning and executing synthetic reactions. The Sixth Edition brings the text completely current

with the most recent organic reactions. In addition, the references have been updated to enable readers to find the latest primary and review literature with ease. New features include: More than 25,000 references to the literature to facilitate further research Revised mechanisms, where required, that explain concepts in clear modern terms Revisions and updates to each chapter to bring them all fully up to date with the latest reactions and discoveries A revised Appendix B to facilitate correlating chapter sections with synthetic transformations In this handbook, Peer Kirsch clearly shows that this exciting field is no longer an exotic area of research. Aimed primarily at synthetic chemists wanting to gain a deeper understanding of the fascinating implications of including the highly unusual element fluorine in organic compounds, the main part of the book presents a wide range of synthetic methodologies and the experimental procedures selected undeniably show that this can be done with standard laboratory equipment. To round off, the author looks at fluorine chemistry and the applications of organofluorine compounds in liquid crystals, polymers and more besides. This long-awaited book represents an indispensable source of high quality information for everyone working in the field. Fully revised and updated content matching the Cambridge International AS & A Level Chemistry syllabus (9701). Endorsed by Cambridge International Examinations, the Second edition of the AS/A Level Chemistry Coursebook comprehensively covers all the knowledge and skills students need for AS/A Level Chemistry 9701 (first examination 2016). Written by renowned experts in Chemistry, the text is written in an accessible style with international learners in mind. The Coursebook is easy to navigate with colour-coded sections to differentiate between AS and A Level content. Self-assessment questions allow learners to track their progression and exam-style questions help learners to prepare thoroughly for their examinations. Contemporary contexts and applications are discussed throughout enhancing the relevance and interest for learners. Complete Chemistry is a revised and enlarged edition of the popular GCSE Chemistry improved to bring it totally up-to-date. This book covers all syllabuses with core material, for Double Award, and extension material, for Science: Chemistry. The breadth and depth is sufficient to stretch your students aiming for the top grades and makes it an excellent foundation for those intending to progress to advanced level chemistry. Key Points: · Now includes all the necessary topics for IGCSE · Concepts and principles of chemistry presented in a clear, straightforward style · Lively and colourful coverage of the relevance of chemistry in the real world · End of chapter testing with more challenging and structured questions · Examination style questions · Pagination remains the same as GCSE Chemistry so that the two can be used alongside each other "This book has succeeded in covering the basic chemistry essentials required by the pharmaceutical science student... the undergraduate reader, be they chemist, biologist or pharmacist will find this an interesting and valuable read." -Journal of Chemical Biology, May 2009 Chemistry for Pharmacy Students is a student-friendly introduction to the key areas of chemistry required by all pharmacy and pharmaceutical science students. The book provides a comprehensive overview of the various areas of general, organic and natural products chemistry (in relation to drug molecules). Clearly structured to enhance student understanding, the book is divided into six clear sections. The book opens with an overview of general aspects of chemistry and their importance to modern life, with particular emphasis on medicinal applications. The text then

moves on to a discussion of the concepts of atomic structure and bonding and the fundamentals of stereochemistry and their significance to pharmacy- in relation to drug action and toxicity. Various aspects of aliphatic, aromatic and heterocyclic chemistry and their pharmaceutical importance are then covered with final chapters looking at organic reactions and their applications to drug discovery and development and natural products chemistry. accessible introduction to the key areas of chemistry required for all pharmacy degree courses student-friendly and written at a level suitable for non-chemistry students includes learning objectives at the beginning of each chapter focuses on the physical properties and actions of drug molecules

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