

Chemistry 2nd Edition Blackman

The Science of Attitudes is the first book to integrate classic and modern research in the field of attitudes at a scholarly level. Designed primarily for advanced undergraduates and graduate students, the presentation of research will also be useful for current scholars in all disciplines who are interested in how attitudes are formed and changed. The treatment of attitudes is both thorough and unique, taking a historical approach while simultaneously highlighting contemporary views and controversies. The book traces attitudes research from the inception of scientific study following World War II to the issues and methods of research that are prominent features of today's research. Researchers in the field of attitudes will be particularly interested in classic and modern research on the organization, structure, strength and function of attitudes. Researchers in the field of persuasion will be particularly interested in work on attitude change focusing on propositional and associative learning, metacognition and dynamic theories of dissonance, balance and reactance. The book is designed to present the integration of the properties of the attitude with the dynamic considerations of attitude change. The Science of Attitudes is also the first book on attitudes to devote entire chapters to work on implicit measurements,

resistance to persuasion, and social neuroscience. Taking an evidence-first big picture approach, *Chemistry: Human Activity, Chemical Reactivity* encourages students to think like a chemist, develop critical understanding of what chemistry is, why it is important and how chemists arrive at their discoveries. Flipping the traditional model of presenting facts and building to applications, this text begins with contexts that are real-life and matter to students – from doping in sports, to the chemistry behind the treads of wall-climbing robots. Informed by the latest chemical education research, *Chemistry: Human Activity, Chemical Reactivity* presents chemistry as the exciting, developing human activity that it is, rather than a body of facts, theories, and skills handed down from the past. Along with the innovative MindTap Reader and OWLv2 learning platform, this text uses unique case studies and critically acclaimed interactive e-resources to help students learn chemistry and how it is helping to address global challenges of the 21st century.

The second edition of this market leading textbook, with a multimedia-integrated approach to the presentation of Chemistry for University students! This is the second edition of this market leading text book. The text and digital package is engineered to cater for the content needs of the first year chemistry course as it is generally taught at universities. The

success of the 1st edition has been attributed to the student friendly and engaging writing style, the relevance to real life, and the clear worked examples; which all help demystify chemistry for the 1st year student. In addition to this, our online teaching and learning system, WileyPLUS which is fully integrated with the text, provides lecturers and students with an equitable multimedia platform to enhance their teaching and learning. Following its success, the first edition was rigorously reviewed, and enhancements made to both the text and the digital resources. The 2nd edition has been enriched in both the text (by addition of new Main Groups chapter and other minor improvements).

Coordination chemistry, as we know it today, has been shaped by major figures from the past, one of whom was Joseph Chatt. Beginning with a description of Chatt's career presented by co-workers, contemporaries and students, this fascinating book then goes on to show how many of today's leading practitioners in the field, working in such diverse areas as phosphines, hydrogen complexes, transition metal complexes and nitrogen fixation, have been influenced by Chatt. The reader is then brought right up-to-date with the inclusion of some of the latest research on these topics, all of which serves to underline Chatt's continuing legacy. Intended as a permanent record of Chatt's life, work and influence, this book will be of interest to

lecturers, graduate students, researchers and science historians.

This title addresses the creation of God, the New World, and what's referred to as the "metaphysical" side of Elijah Muhammad's teaching. It eloquently delves into the subject of form and spirit in the simplest terms. The relationship of Jesus, Joseph and Mary is given a critical analysis as it relates to blacks in America.

Encyclopedia of Dietary Supplements presents peer-reviewed, objective entries that rigorously examine the most significant scientific research on basic chemical, preclinical, and clinical data. Designed for healthcare professionals, researchers, and health-conscious consumers, it presents evidence-based information on the major vitamin and mineral micronutrients, herbs, botanicals, phytochemicals, and other bioactive preparations. Supplements covered include: Vitamins, beta-carotene, niacin, and folate Omega-3 and omega-6 fatty acids, isoflavones, and quercetin Calcium, copper, iron, and phosphorus 5-hydroxytryptophan, glutamine, and L-arginine St. John's Wort, ginkgo biloba, green tea, kava, and noni Androstenedione, DHEA, and melatonin Coenzyme Q10 and S-adenosylmethionine Shiitake, maitake, reishi, and cordiceps With nearly 100 entries contributed by renowned subject-specific experts, the book serves as a scientific checkpoint for the many OTC

supplements carried in today's nutritional products marketplace. Also Available Online This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians, including: ? Citation tracking and alerts ? Active reference linking ? Saved searches and marked lists ? HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk

By Joseph Topich, Virginia Commonwealth University. This manual for students contains solutions to selected all in-chapter problems and even-numbered end-of-chapter problems. Get a Better Grade in Organic Chemistry Organic Chemistry may be challenging, but that doesn't mean you can't get the grade you want. With David Klein's Organic Chemistry as a Second Language: Translating the Basic Concepts, you'll be able to better understand fundamental principles, solve problems, and focus on what you need to know to succeed. Here's how you can get a better grade in Organic Chemistry: Understand the Big Picture. Organic Chemistry as a Second Language points out the major principles in Organic Chemistry and

explains why they are relevant to the rest of the course. By putting these principles together, you'll have a coherent framework that will help you better understand your textbook. Study More Efficiently and Effectively Organic Chemistry as a Second Language provides time-saving study tips and a clear roadmap for your studies that will help you to focus your efforts. Improve Your Problem-Solving Skills Organic Chemistry as a Second Language will help you develop the skills you need to solve a variety of problem types-even unfamiliar ones! Need Help in Your Second Semester? Get Klein's Organic Chemistry II as a Second Language!

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Questions around 'the body' are central to social theory. Our changing understanding of the body now challenges the ways we conceive power, ideology, subjectivity and social and cultural process. The Body: the key concepts highlights and analyses the debates which make the body central to current sociological, psychological, cultural and feminist thinking. Today, questions around the body are intrinsic to a wide range of debates - from technological developments in media and communications, to socio-cultural questions around representation, performance, class, race, gender and sexuality, to the more 'physical' concerns of health and illness, sleep, diet and eating disorders, body parts and the senses. The Body: the key

concepts is the ideal introduction for any student seeking a concise and up-to-date analysis of the complex and influential debates around the body in contemporary culture.

Chemistry: The Molecular Nature of Matter and Change by Martin Silberberg and Patricia Amateis has been recognized in the general chemistry market as an unparalleled classic. The revision for the ninth edition focused on continued optimization of the text. To aid in this process, we were able to use data from literally thousands of student responses to questions in LearnSmart, the adaptive learning system that assesses student knowledge of course content. The data, such as average time spent answering each question and the percentage of students who correctly answered the question on the first attempt, revealed the learning objectives that students found particularly difficult, which we addressed by revising surrounding text or adding additional learning resources such as videos and slideshows. The text still contains unprecedented macroscopic-to-microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, and an extensive range of end-of-chapter problems, which provide engaging applications covering a wide variety of interests, including engineering, medicine, materials, and environmental studies. Changes have been made to the text and applications throughout to make them more succinct, to the artwork to make it

more teachable and modern, and to the design to make it more simplistic and open.

Challenging a medical model which has supplied few effective answers to long-standing conundrums, Evolutionary Psychiatry proposes a new conceptual framework for psychiatry based on Darwinian theory. Anthony Stevens and John Price argue that psychiatric symptoms are manifestations of ancient adaptive strategies which are no longer necessarily appropriate but which can best be understood and treated in an evolutionary and developmental context. They propose theories to account for the widespread existence of affective disorders, borderline states and schizophrenia, as well as offering solutions for puzzles such as sadomasochism and the function of dreams. This comprehensive introduction to the new science of Darwinian Psychiatry is readily accessible to both the specialist and non-specialist reader. It describes in detail the disorders and conditions commonly encountered in psychiatric practice and show how evolutionary theory can account for their biological origins and functional nature.

The definitive guide to problem-solving in the design of communications systems In Algorithms for Communications Systems and their Applications, 2nd Edition, authors Benvenuto, Cherubini, and Tomasin have delivered the ultimate and practical guide to applying algorithms in communications

systems. Written for researchers and professionals in the areas of digital communications, signal processing, and computer engineering, Algorithms for Communications Systems presents algorithmic and computational procedures within communications systems that overcome a wide range of problems facing system designers. New material in this fully updated edition includes: MIMO systems (Space-time block coding/Spatial multiplexing /Beamforming and interference management/Channel Estimation) OFDM and SC-FDMA (Synchronization/Resource allocation (bit and power loading)/Filtered OFDM) Improved radio channel model (Doppler and shadowing/mmWave) Polar codes (including practical decoding methods) 5G systems (New Radio architecture/initial access for mmWave/physical channels) The book retains the essential coding and signal processing theoretical and operative elements expected from a classic text, further adopting the new radio of 5G systems as a case study to create the definitive guide to modern communications systems.

Study and Communication Skills for the Chemical Sciences has been carefully designed to help students transition seamlessly from school to university, make the most of their education, and ultimately use their degree to enhance their employability. The accessible and friendly writing style helps to engage students with the subject while

frequent chemical examples highlight the relevance of the skills being learned. A comprehensive range of skills are covered— from making the most of practicals, lectures and group work, through to writing and presentation skills, and effective revision for exams. An expanded chapter on employability offers invaluable advice for getting a job in today's competitive market. The friendly, conversational writing style makes the text ideal for beginning undergraduate students. A broad range of skills are covered, from writing and presentation skills, to working in groups and revising for exams. Frequent examples drawn from chemistry highlight the relevance of the skills being learned. The experienced author team is headed up by a leading expert in chemical education. New to this edition. The final chapter Making Yourself Employable has been significantly expanded to include new topics such as year in industry placements, CV and cover letter writing, and interviews. More information on working in groups has been added to further help students develop this essential skill.

For thousands of years, we've found ways to scorch, scour, and sterilize our surroundings to make them safer. Sometimes these methods are wonderfully effective. Often, however, they come with catastrophic consequences—consequences that aren't typically understood for generations. The Chemical Age tells the captivating story of the

scientists who waged war on famine and disease with chemistry. With depth and verve, Frank A. von Hippel explores humanity's uneasy coexistence with pests, and how their existence, and the battles to exterminate them, have shaped our modern world. Beginning with the potato blight tragedy of the 1840s, which led scientists on an urgent mission to prevent famine using pesticides, von Hippel traces the history of pesticide use to the 1960s, when Rachel Carson's *Silent Spring* revealed that those same chemicals were insidiously damaging our health and driving species toward extinction. Telling the story of these pesticides in vivid detail, von Hippel showcases the thrills and complex consequences of scientific discovery. He describes the invention of substances that could protect crops, the emergence of our understanding of the way diseases spread, the creation of chemicals used to kill pests and people, and, finally, how scientists turned those wartime chemicals on the landscape at a massive scale, prompting the vital environmental movement that continues today. *The Chemical Age* is a dynamic, sweeping history that exposes how humankind's affinity for pesticides made the modern world possible—while also threatening its essential fabric.

Fully revised and updated, the seventh edition of this popular dictionary is the ideal reference resource for students of chemistry, either at school or at

university. With over 5000 entries—over 175 new to this edition—it covers all aspects of chemistry, from physical chemistry to biochemistry. The seventh edition boasts broader coverage in areas such as nuclear magnetic resonance, polymer chemistry, nanotechnology and graphene, and absolute configuration, increasing the dictionary's appeal to students in these fields. New diagrams have been added and existing diagrams updated to illustrate topics that would benefit from a visual aid. There are also biographical entries on key figures, featured entries on major topics such as polymers and crystal defects, and a chronology charting the main discoveries in atomic theory, biochemistry, explosives, and plastics.

The prevention and treatment of cancer in older patients requires an individualized approach, as age causes unpredictable results from patient to patient. Completely revised and updated, the Second Edition of *Comprehensive Geriatric Oncology* enables clinicians to choose the best possible cancer care. Highlighting newly emerging issues in geriatric oncology, it helps physicians promote cancer prevention. Like its groundbreaking, bestselling predecessor, this new edition exhaustively reviews the biology of cancer and aging, epidemiologic trends, and clinical trials that concern cancer prevention and treatment in the elderly. New chapters contain material on topics such as

assessment, fragility, symptom management, and emergencies, and studies the effectiveness of training programs in geriatric oncology. The book addresses issues of healthcare delivery, including cost and evaluation of utility and outcome, suggests new research approaches, reviews existing guidelines for the prevention and treatment of cancer in the elderly, and more. Providing a frame of reference for the ongoing dialogue in the field of geriatric oncology, this is a major reference work for basic, population, and clinical scientists interested in the issue and for practices ministering to older patients.

A supplementary text for chemistry students in undergraduate chemistry courses, and in high school subjects specialising in chemistry ? but aimed especially at first year undergraduate students - SI Chemical Data 7th edition presents the properties of key chemicals used for experiments in easy-to-use tables. The chemicals included in this edition are chosen specifically to cover those studied in university chemistry courses. Students and teachers alike will find this book invaluable for solving tutorial problems and for laboratory work.

Organic Chemistry is unusual among market-leading texts; it exists only as a brief text and is specifically designed for a one-semester short course in organic chemistry. Its heavy emphasis on applications, increased coverage of basic concepts, thorough

problem-solving pedagogy, and comprehensive problem sets address the specific needs of students in this course. "A Closer Look At" features require students to use resources on the Web to expand concepts in the text, applying text content more directly to real-world examples. The HM ClassPrep instructor CD-ROM provides valuable supplemental content in one convenient, portable product. The CD-ROM includes a test bank, Instructor's Resource Manual, and PowerPoint slides of all line art from the text and animations from the student CD-ROM.

Provides advanced students with an introduction to modern galactic dynamics, and equips them with useful observational and theoretical tools.

This comprehensive Handbook of original chapters serves as a resource for clinicians and researchers alike. Two introductory chapters cover general issues in violence risk assessment, while the remainder of the book offers a comprehensive discussion of specific risk assessment measures. Forensic psychology practitioners, mental health professionals who deal with the criminal justice system, and legal professionals working with violent offenders will find the Handbook of Violence Risk Assessment to be the primary reference for the field. The second edition of "Analytical Methods in Supramolecular Chemistry" comes in two volumes and covers a broad range of modern methods and techniques now used for investigating

supramolecular systems, e. g. NMR spectroscopy, mass spectrometry, extraction methods, crystallography, single molecule spectroscopy, electrochemistry, and many more. In this second edition, tutorial inserts have been introduced, making the book also suitable as supplementary reading for courses on supramolecular chemistry. All chapters have been revised and updated and four new chapters have been added. A must-have handbook for Organic and Analytical Chemists, Spectroscopists, Materials Scientists, and Ph.D. Students in Chemistry. From reviews of the first edition: "This timely book should have its place in laboratories dealing with supramolecular objects. It will be a source of reference for graduate students and more experienced researchers and could induce new ideas on the use of techniques other than those usually used in the laboratory." *Journal of the American Chemical Society* (2008) VOL. 130, NO. 1 doi: 10.1021/ja0769649 "The book as a whole or single chapters will stimulate the reader to widen his horizon in chemistry and will help him to have new ideas in his research." *Anal Bioanal Chem* (2007) 389:2039-2040 DOI: 10.1007/s00216-007-1677-1 Chemistry provides a robust coverage of the different branches of chemistry - with unique depth in organic chemistry in an introductory text - helping students to develop a solid understanding of chemical principles, how they interconnect and how

they can be applied to our lives. "Covers Physical Chemistry in an accessible format for first years...good for covering the gap between varied levels of knowledge from different schools' curricula and the mcuh more demanding University courses."

- Dr Ritu Katakya, DEPT OF CHEMISTRY,
UNIVERSITY OF DURHAM

Chemistry Core Concepts 2E Hybrid

Chemistry
"This timely, accessible reference and text addresses some of the most fundamental questions about human behavior, such as what causes racism and prejudice and why good people do bad things. Leading authorities present state-of-the-science theoretical and empirical work. Essential themes include the complex interaction of individual, societal, and situational factors underpinning good or evil behavior; the role of moral emotions, unconscious bias, and the self-concept; issues of responsibility and motivation; and how technology and globalization have enabled newer forms of threat and harm. Key Words/Subject Areas: aggression, altruism, antisocial, evil, free will, good, guilt, heroism, human behavior, morality, prejudice, prosocial, racism, shame, social psychology, stereotyping, terrorism, values, violence Audience: Students and researchers in social psychology; also of interest to sociologists. "--

From models to molecules to mass spectrometry-solve organic chemistry problems with ease Got a grasp on the

organic chemistry terms and concepts you need to know, but get lost halfway through a problem or worse yet, not know where to begin? Have no fear - this hands-on guide helps you solve the many types of organic chemistry problems you encounter in a focused, step-by-step manner. With memorization tricks, problem-solving shortcuts, and lots of hands-on practice exercises, you'll sharpen your skills and improve your performance. You'll see how to work with resonance; the triple-threat alkanes, alkenes, and alkynes; functional groups and their reactions; spectroscopy; and more! 100s of Problems! Know how to solve the most common organic chemistry problems Walk through the answers and clearly identify where you went wrong (or right) with each problem Get the inside scoop on acing your exams! Use organic chemistry in practical applications with confidence

In the last few years, several “bottom-up” and “top-down” synthesis routes have been developed to produce tailored hybrid nanoparticles (HNPs). This book provides a new insight into one of the most promising “bottom-up” techniques, based on a practical magnetron-sputtering inert-gas-condensation method. A modified magnetron-sputtering-based inert-gas-condensation (MS-IGC) system is presented, and its performances under different conditions are evaluated. Designed for graduate students, researchers in physics, materials science, biophysics and related fields, and process engineers, this new resource fills a critical need to understand the fundamentals behind the design and tailoring of the nanoparticles produced by the MS-IGC method. It shows

that the morphology, the size and the properties of the nanoparticles can be modulated by tuning the deposition parameters such as the energy, the cooling rate, and the collision and coalescence processes experienced by the nanoparticles during their formation. The mechanisms of formation of different HNPs are suggested, combining the physico-chemical properties of the materials with the experimental conditions. This book illustrates the potential of MS-IGC method to synthesize multifunctional nanoparticles and nanocomposites with accurate control on their morphology and structure. However, for a better understanding of HNPs formation, further improvements in characterization methods of aggregation zone conditions are needed. In addition, the optimization of the yield and harvesting process of HNPs is essential to make this method sufficiently attractive for large-scale production.

Build your knowledge of SAR/ISAR imaging with this comprehensive and insightful resource The newly revised Second Edition of Inverse Synthetic Aperture Radar Imaging with MATLAB Algorithms covers in greater detail the fundamental and advanced topics necessary for a complete understanding of inverse synthetic aperture radar (ISAR) imaging and its concepts. Distinguished author and academician, Caner Özdemir, describes the practical aspects of ISAR imaging and presents illustrative examples of the radar signal processing algorithms used for ISAR imaging. The topics in each chapter are supplemented with MATLAB codes to assist readers in better understanding each of the principles discussed within the book. This new

edition includes discussions of the most up-to-date topics to arise in the field of ISAR imaging and ISAR hardware design. The book provides a comprehensive analysis of advanced techniques like Fourier-based radar imaging algorithms, and motion compensation techniques along with radar fundamentals for readers new to the subject. The author covers a wide variety of topics, including: Radar fundamentals, including concepts like radar cross section, maximum detectable range, frequency modulated continuous wave, and doppler frequency and pulsed radar The theoretical and practical aspects of signal processing algorithms used in ISAR imaging The numeric implementation of all necessary algorithms in MATLAB ISAR hardware, emerging topics on SAR/ISAR focusing algorithms such as bistatic ISAR imaging, polarimetric ISAR imaging, and near-field ISAR imaging, Applications of SAR/ISAR imaging techniques to other radar imaging problems such as thru-the-wall radar imaging and ground-penetrating radar imaging Perfect for graduate students in the fields of electrical and electronics engineering, electromagnetism, imaging radar, and physics, Inverse Synthetic Aperture Radar Imaging With MATLAB Algorithms also belongs on the bookshelves of practicing researchers in the related areas looking for a useful resource to assist them in their day-to-day professional work.

This third edition updates and expands the material presented in the best-selling first and second editions of Basic Hazardous Waste Management. It covers health and safety issues affecting hazardous waste workers, management and regulation of radioactive and

biomedical/infectious wastes, as well as current trends in technologies. While the topics have been completely revised, the author employs the same practical approach that made the previous editions so popular. Chapters are structured to first outline the issue, subject, or technology, then to describe generic practice, and then to conclude with a summary of the statutory or regulatory approach. Blackman introduces fundamental issues such as human health hazards; the environmental impacts of toxic, reactive, and ignitable materials; the mobility, pathways and fates of released hazardous materials; and the roles of science, technology, and risk assessment in the standards-setting process. He explores hazardous waste site remediation technology, and the application of federal statutes, regulations, programs, and policies to the cleanup of contaminated sites. This text provides an introductory framework-which can serve as the foundation for a program of study in traditional as well as modern hazardous waste management-or a component of a related program. Its overview format provides numerous references to more detailed materials to assist the student or instructor in expansion on specific topics.

The parameters within which young people live their lives have changed radically. Changes in education and the labour market have led to an increased complexity of the youth phase and to an overall protraction in dependency and transitions. Written by leading academics from several countries, this Handbook introduces up to date perspectives on a wide range of issues that affect and shape youth and young adulthood. It provides an

authoritative and multi-disciplinary overview of a field of study that offers unique insight on social change in advanced societies and is aimed at academics, students, researchers and policy-makers. The Handbook introduces some of the key theoretical perspectives used within youth studies and sets out future research agendas. Each of the ten sections covers an important area of research – from education and the labour market to youth cultures, health and crime whilst discussing change and continuity in the lives of young people. This work introduces readers to some of the most important work in the field while highlighting the underlying perspectives that have been used to understand the complexity of modern youth and young adulthood.

Metal clusters are on the brink between molecules and nanoparticles in size. With molecular, nano-scale, metallic as well as non-metallic aspects, metal clusters are a growing, interdisciplinary field with numerous potential applications in chemistry, catalysis, materials and nanotechnology. This third volume in the series of hot topics from inorganic chemistry covers all recent developments in the field of metal clusters, with some 20 contributions providing an in-depth view. The result is a unique perspective, illustrating all facets of this interdisciplinary area:

- * Inter-electron Repulsion and Irregularities in the Chemistry of Transition Series *
- Stereochemical Activity of Lone Pairs in Heavier Main Group Element Compounds *
- How Close to Close Packing? *
- Forty-Five Years of Praseodymium Diiodide *
- Centered Zirconium Clusters *
- Titanium Niobium Oxychlorides *
- Trinuclear Molybdenum and Tungsten

Cluster Chalcogenides * Current State of (B,C,N)-Compounds of Calcium and Lanthanum * Ternary Phases of Lithium with Main-Group and Late-Transition Metals * Polar Intermetallics and Zintl Phases along the Zintl Border * Rare Earth Zintl Phases * Structure-Property Relationships in Intermetallics * Ternary and Quaternary Niobium Arsenide Zintl Phases * The Building Block Approach to Understanding Main-Group-Metal Complex Structures * Cation-Deficient Quaternary Thiospinels * A New Class of Hybrid Materials via Salt Inclusion Synthesis * Layered Perrhenate and Vanadate Hybrid Solids * Hydrogen Bonding in Metal Halides * Syntheses and Catalytic Properties of Titanium Nitride Nanoparticles * Solventless Thermolysis * New Potential Scintillation Materials in Borophosphate Systems. With its didactical emphasis, this volume addresses a wide readership, such that both students and specialists will profit from the expert contributions.

IBM's one-stop guide to the newest versions of IMS: the database used by the world's largest companies for their most mission-critical data * *The ideal resource for every IT professional who is new to IMS or upgrading to a current or recent version. *Updated, authoritative coverage of IMS Versions 12, 11, and 10: components, architecture, database and transaction managers, application development, system administration, security, recovery, tools, and more. *95% of Fortune 1000 companies rely on IMS. Over four decades, IBM's Information Management System (IMS) has consistently earned the trust of the world's largest enterprises.

Thanks to its reliability, security, and performance, nearly 95% of Fortune 1000 companies rely on IMS for their most critical IBM System z data management needs: 50,000,000,000+ transactions run through IMS databases every day. What's more, IBM continues to upgrade IMS to meet new challenges more flexibly at lower cost. In *An Introduction to IMS*, leading IMS experts offer the definitive introduction to the latest versions: IMS 12, 11, and 10. This edition reflects major recent enhancements, including dynamic information generation capabilities; new access, interoperability and development tools; improved SOA support, and more. Not just a complete tutorial, this book provides examples, cases, problems, solutions, glossaries, and more: everything database professionals need to succeed with IMS, regardless of experience.

A compendium of original essays and contemporary viewpoints on the 1917 Revolution *The Russian revolution of 1917 reverberated throughout an empire that covered one-sixth of the world. It altered the geopolitical landscape of not only Eurasia, but of the entire globe. The impact of this immense event is still felt in the present day. The historiography of the last two decades has challenged conceptions of the 1917 revolution as a monolithic entity—the causes and meanings of revolution are many, as is reflected in contemporary scholarship on the subject. A Companion to the Russian Revolution offers more than thirty original essays, written by a team of respected scholars and historians of 20th century Russian history. Presenting a wide range of contemporary perspectives, the Companion discusses*

topics including the dynamics of violence in war and revolution, Russian political parties, the transformation of the Orthodox church, Bolshevism, Liberalism, and more. Although primarily focused on 1917 itself, and the singular Revolutionary experience in that year, this book also explores time-periods such as the First Russian Revolution, early Soviet government, the Civil War period, and even into the 1920's. Presents a wide range of original essays that discuss Brings together in-depth coverage of political history, party history, cultural history, and new social approaches Explores the long-range causes, influence on early Soviet culture, and global after-life of the Russian Revolution Offers broadly-conceived, contemporary views of the revolution largely based on the author's original research Links Russian revolutions to Russian Civil Wars as concepts A Companion to the Russian Revolution is an important addition to modern scholarship on the subject, and a valuable resource for those interested in Russian, Late Imperial, or Soviet history as well as anyone interested in Revolution as a global phenomenon.

Chemistry, science, stoichiometry, thermodynamics, organic chemistry.

"The Black Man, the Father of Civilization, Proven by Biblical History" by James Morris Webb. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly

and accessible to everyone in a high-quality digital format. "Clean Water summarizes the basic fundamentals of water chemistry and microbiology and outlines important water quality rules and regulations, all in concise, understandable prose. It describes the basic scientific principles behind water pollution control and the broader approach of addressing water pollution problems through watershed management. There are sections on drinking water and a concluding chapter entitled "Getting Personal about Clean Water" about citizen involvement at home and in the community."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

From its very origin, *Introductory Chemistry: An Atoms First Approach* by Julia Burdge and Michelle Driessen has been developed and written using an atoms-first approach specific to introductory chemistry. It is not a pared down version of a general chemistry text, but carefully crafted with the introductory-chemistry student in mind. The ordering of topics facilitates the conceptual development of chemistry for the novice, rather than the historical development that has been used traditionally. Its language and style are student-friendly and conversational; and the importance and wonder of chemistry in everyday life are emphasized at every opportunity. Continuing in the Burdge tradition, this text employs an outstanding art program, a consistent problem-solving approach, interesting applications woven throughout the chapters, and a wide range of end-of-chapter problems.

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