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Chemistry 2e Diffusion of Gases and Graham's Law [Chemical Education Resources Study Guide](#) [Cengage Learning Study more effectively and improve your performance at exam time with this comprehensive guide.](#) The study guide includes: chapter summaries that highlight the main themes, study goals with section references, solutions to all textbook Example problems, and over 1,500 practice problems for all sections of the textbook. The Study Guide helps you organize the material and practice applying the concepts of the core text. **Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.** **Concepts in Thermal Physics** [Oxford University Press](#) This text provides a modern introduction to the main principles of thermal physics, thermodynamics and statistical mechanics. The key concepts are presented and new ideas are illustrated with worked examples as well as description of the historical background to their discovery. **An Introduction to Medicinal Chemistry** [Oxford University Press](#) This volume provides an introduction to medicinal chemistry. It covers basic principles and background, and describes the general tactics and strategies involved in developing an effective drug. **Physical Chemistry for the Biosciences** [University Science Books](#) **Physical Chemistry for the Biosciences** has been optimized for a one-semester introductory course in physical chemistry for students of biosciences. **Interpersonal Pragmatics** [Walter de Gruyter](#) This handbook focuses on the interpersonal aspects of language in use, exploring key concepts such as face, im/politeness, identity, or gender, as well as mitigation, respect/deference, and humour in a variety of settings. The volume includes theoretical overviews as well as empirical studies from experts in a range of disciplines within linguistics and communication studies and provides a multifaceted perspective on both theoretical and applied approaches to the role of language in relational work. **Principles of General Chemistry Chemistry Workbook For Dummies** [John Wiley & Sons](#) Take the confusion out of chemistry with hundreds of practice problems **Chemistry Workbook For Dummies** is your ultimate companion for introductory chemistry at the high school or college level. Packed with hundreds of practice problems, this **workbook** gives you the practice you need to internalize the essential concepts that form the foundations of chemistry. From matter and molecules to moles and measurements, these problems cover the full spectrum of topics you'll see in class—and each section includes key concept review and full explanations for every problem to quickly get you on the right track. This new third edition includes access to an online test bank, where you'll find bonus chapter quizzes to help you test your understanding and pinpoint areas in need of review. Whether you're preparing for an exam or seeking a start-to-finish study aid, this workbook is your ticket to acing basic chemistry. Chemistry problems can look intimidating; it's a whole new language, with different rules, new symbols, and complex concepts. The good news is that practice makes perfect, and this book provides plenty of it—with easy-to-understand coaching every step of the way. Delve deep into the parts of the periodic table Get comfortable with units, scientific notation, and chemical equations Work with states, phases, energy, and charges Master nomenclature, acids, bases, titrations, redox reactions, and more Understanding introductory chemistry is critical for your success in all science classes to follow; keeping up with the material now makes life much easier down the education road. **Chemistry Workbook For Dummies** gives you the practice you need to succeed! **Billy Graham and the Rise of the Republican South** [University of Pennsylvania Press](#) While spreading the gospel around the world through his signature crusades, internationally renowned evangelist Billy Graham maintained a visible and controversial presence in his native South, a region that underwent substantial political and economic change in the latter half of the twentieth century. In this period Graham was alternately a desegregating crusader in Alabama, Sunbelt booster in Atlanta, regional apologist in the national press, and southern strategist in the Nixon administration. **Billy Graham and the Rise of the Republican South** considers the critical but underappreciated role of the noted evangelist in the creation of the modern American South. The region experienced two significant related shifts away from its status as what observers and critics called the "Solid South": the end of legalized Jim Crow and the end of Democratic Party dominance. Author Steven P. Miller treats Graham as a serious actor and a powerful symbol in this transition—an evangelist first and foremost, but also a profoundly political figure. In his roles as the nation's most visible evangelist, adviser to political leaders, and a regional spokesperson, Graham influenced many of the developments that drove celebrants and detractors alike to place the South at the vanguard of political, religious, and cultural trends. He forged a path on which white southern moderates could retreat from Jim Crow, while his evangelical critique of white supremacy portended the emergence of "color blind" rhetoric within mainstream conservatism. Through his involvement in the Eisenhower and Nixon administrations, as well as his deep social ties in the South, the evangelist influenced the decades-long process of political realignment. **Graham's public life sheds new light on recent southern history in all of its ambiguities, and his social and political ethics complicate conventional understandings of evangelical Christianity in postwar America.** Miller's book seeks to reintroduce a familiar figure to the narrative of southern history and, in the process, examine the political and social transitions constitutive of the modern South. **Organic Chemistry: A Very Short Introduction** [Oxford University Press](#) Organic chemistry is the chemistry of compounds of carbon. The ability of carbon to link together to form long chain molecules and ring compounds as well as bonding with many other elements has led to a vast array of organic compounds. These compounds are central to life, forming the basis for organic molecules such as nucleic acids, proteins, carbohydrates, and lipids. In this Very Short Introduction **Graham Patrick** covers the whole range of organic compounds and their roles. Beginning with the structures and properties of the basic groups of organic compounds, he goes on to consider organic compounds in the areas of pharmaceuticals, polymers, food and drink, petrochemicals, and nanotechnology. He looks at how new materials, in particular the single layer form of carbon called graphene, are opening up exciting new possibilities for applications, and discusses the particular challenges of working with carbon compounds, many of which are colourless. **Patrick** also discusses techniques used in the field. **ABOUT THE SERIES:** The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable. **Society and the Internet How Networks of Information and Communication are Changing Our Lives** [Oxford University Press](#) How is society being reshaped by the continued diffusion and increasing centrality of the Internet in everyday life and work? **Society and the Internet** provides key readings for students, scholars, and those interested in understanding the interactions of the Internet and society. This multidisciplinary collection of theoretically and empirically anchored chapters addresses the big questions about one of the most significant technological transformations of this century, through a diversity of data, methods, theories, and approaches. Drawing from a range of disciplinary perspectives, Internet research can address core questions about equality, voice, knowledge, participation, and power. By learning from the past and continuing to look toward the future, it can provide a better understanding of what the ever-changing configurations of technology and society mean, both for the everyday life of individuals and for the continued development of society at large. This second edition presents new and original contributions examining the escalating concerns around social media, disinformation, big data, and privacy. Following a foreword by **Manual Castells**, the editors introduce some of the key issues in **Internet Studies**. The chapters then offer the latest research in five focused sections: **The Internet in Everyday Life; Digital Rights and Human Rights; Networked Ideas, Politics, and Governance; Networked Businesses, Industries, and Economics; and Technological and Regulatory Histories and Futures.** This book will be a valuable resource not only for students and researchers, but for anyone seeking a critical examination of the economic, social, and political factors shaping the Internet and its impact on society. **Regulation of Tissue Oxygenation, Second Edition** [Biota Publishing](#) This presentation describes various aspects of the regulation of tissue oxygenation, including the roles of the circulatory system, respiratory system, and blood, the carrier of oxygen within these components of the cardiorespiratory system. The respiratory system takes oxygen from the atmosphere and transports it by diffusion from the air in the alveoli to the blood flowing through the pulmonary capillaries. The cardiovascular system then moves the oxygenated blood from the heart to the microcirculation of the various organs by convection, where oxygen is released from hemoglobin in the red blood cells and moves to the parenchymal cells of each tissue by diffusion. Oxygen that has diffused into cells is then utilized in the mitochondria to produce adenosine triphosphate (ATP), the energy currency of all cells. The mitochondria are able to produce ATP until the oxygen tension or PO₂ on the cell surface falls to a critical level of about 4-5 mm Hg. Thus, in order to meet the energetic needs of cells, it is important to maintain a continuous supply of oxygen to the mitochondria at or above the critical PO₂. In order to accomplish this desired outcome, the cardiorespiratory system, including the blood, must be capable of regulation to ensure survival of all tissues under a wide range of circumstances. The purpose of this presentation is to provide basic information about the operation and regulation of the cardiovascular and respiratory systems, as well as the properties of the blood and parenchymal cells, so that a fundamental understanding of the regulation of tissue oxygenation is achieved. **Chemical and Physical Researches The Elements of Murder A History of Poison** [Oxford University Press](#) A fascinating account of the five most toxic elements describes the lethal chemical properties of arsenic, antimony, lead, mercury, and thallium, as well as their use in some of the most famous murder cases in history, with profiles of such deadly poisoners as **Mary Ann Cotton**, **Michael Swango**, and **Saddam Hussein** and a look at modern-day environmental catastrophes. **Chemistry and Physics for Nurse Anesthesia A Student Centered Approach** [Springer Publishing Company](#) "[A] welcome addition to the reference materials necessary for the study of nurse anesthesia....The textbook is divided into logical, easy to use sections that cover all areas necessary for the practice of nurse anesthesia....This is a text that is easy to read and able to be incorporated into any nurse anesthesia chemistry and physics course. I would recommend this textbook to any program director." -- **Anthony Chipas, PhD, CRNA Division Director Anesthesia for Nurses Program Medical University of South Carolina** At last. . . a combined chemistry & physics nursing anesthesia text. This textbook offers combined coverage of chemistry and physics to help students

learn the content needed to master the underlying principles of nursing anesthesia. Because many graduate nursing students are uncomfortable with chemistry and physics, this text presents only the specific content in chemistry and physics that relates to anesthesia. Written in a conversational, accessible style, the book teaches at a highly understandable level, so as to bridge the gap between what students recall from their undergraduate biochemistry and physics courses, and what they need to know as nurse anesthetists. The book contains many illustrations that demonstrate how the scientific concepts relate directly to clinical application in anesthesia. Chapters cover key topics relating to anesthesiology, including the basics of both chemistry and physics, fluids, a concentration on gas laws, states of matter, acids and bases, electrical circuits, radiation, and radioactivity. With this text, students will benefit from: A review of the math, chemistry, and physics basics that relate to clinical anesthesia A conversational presentation of just what students need to know, enabling a fast and complete mastery of clinically relevant scientific concepts Heavy use of illustrations throughout chapters to complement the text End-of-chapter review questions that help students assess their learning PowerPoint Slides available to qualified instructors. Physical Chemistry [Academic Press](#) This new edition of Robert G. Mortimer's Physical Chemistry has been thoroughly revised for use in a full year course in modern physical chemistry. In this edition, Mortimer has included recent developments in the theories of chemical reaction kinetics and molecular quantum mechanics, as well as in the experimental study of extremely rapid chemical reactions. While Mortimer has made substantial improvements in the selection and updating of topics, he has retained the clarity of presentation, the integration of description and theory, and the level of rigor that made the first edition so successful. * Emphasizes clarity; every aspect of the first edition has been examined and revised as needed to make the principles and applications of physical chemistry as clear as possible. * Proceeds from fundamental principles or postulates and shows how the consequences of these principles and postulates apply to the chemical and physical phenomena being studied. * Encourages the student not only to know the applications in physical chemistry but to understand where they come from. * Treats all topics relevant to undergraduate physical chemistry. Chemistry [Carson-Dellosa Publishing](#) Chemistry for grades 9 to 12 is designed to aid in the review and practice of chemistry topics. Chemistry covers topics such as metrics and measurements, matter, atomic structure, bonds, compounds, chemical equations, molarity, and acids and bases. The book includes realistic diagrams and engaging activities to support practice in all areas of chemistry. The 100+ Series science books span grades 5 to 12. The activities in each book reinforce essential science skill practice in the areas of life science, physical science, and earth science. The books include engaging, grade-appropriate activities and clear thumbnail answer keys. Each book has 128 pages and 100 pages (or more) of reproducible content to help students review and reinforce essential skills in individual science topics. The series will be aligned to current science standards. Chapterwise Topicwise Solved Papers Chemistry for Engineering Entrances 2020 [Arihant Publications India limited](#) For cracking any competitive exam one need to have clear guidance, right kind of study material and thorough practice. When the preparation is done for the exams like JEE Main and NEET one need to have clear concept about each and every topic and understanding of the examination pattern are most important things which can be done by using the good collection of Previous Years' Solved Papers. Chapterwise Topicwise Solved Papers CHEMISTRY for Engineering Entrances is a master collection of exams questions to practice for JEE Main & Advanced 2020, which have been consciously revised as per the latest pattern of exam. It carries 15 Years of Solved Papers [2019-2005] in both Chapterwise and topicwise manner by giving the full coverage to syllabus. Each topic is well explained in a lucid manner so that candidates can understand the concept easily and quickly. This book gives the complete coverage of Questions asked in JEE Main & Advanced, AIEEE, IIT JEE & BITSAT, UPSEE, MANIPAL, EAMCET, WB JEE, etc., Thorough practice done from this book will the candidates to move a step towards their success. TABLE OF CONTENT PART I Based on Class XI NCERT - Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, States of Matter, Thermodynamics, Equilibrium, Redox Reactions, Hydrogen, s-Block Elements, p-Block Elements, Organic Chemistry : Some Basic Principles and Techniques, Hydrocarbons, Environmental Chemistry, PART II Based on Class XII NCERT - The Solid State, Solutions, Electrochemistry, Chemical Kinetics, Surface Chemistry, Nuclear Chemistry, p-Block Elements, The d-and f-Block Elements, Coordination Compounds, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids, Nitrogen Containing Compounds, Biomolecules, Polymers, Chemistry in Everyday Life, Analytical Chemistry, General Principles and Processes of Isolation of Elements, Questions Asked in JEE Main 2015, Solved Papers 2016 (JEE Main, BITSAT, AP EAMCET, TS EAMCET, GGSIPU), Solved Papers 2017 (JEE Main & Advanced, BITSAT, VIT & WBJEE), Solved Papers 2018 (JEE Main & Advanced, BITSAT & WBJEE), Solved Papers 2019 (JEE Main & Advanced, BITSAT & WBJEE). Chemistry for the Life Sciences [CRC Press](#) Presents short topics tied to numerical or conceptual ideas, reinforced with worked examples and questions Retaining the user-friendly style of the first edition, this text is designed to eliminate the knowledge gap for those life sciences students who have not studied chemistry at an advanced level. It contains new chapters on - Dissemination and Implementation Research in Health Translating Science to Practice [Oxford University Press](#) The definitive work in D&I research -- now completely updated and expanded The application of scientific research to the creation of evidence-based policies is a science unto itself -- and one that is never easy. Dissemination and implementation research (D&I) is the study of how scientific advances can be implemented into everyday life, and understanding how it works has never been more important for students and professionals across the scientific, academic, and governmental communities. Dissemination and Implementation Research in Health is a practical guide to making research more consequential, a collection assembled and written by today's leading D&I researchers. Readers of this book are taught to: ♡ Evaluate the evidence base in an effective intervention ♡ Choose a strategy that produces the greatest impact ♡ Design an appropriate and effectual study ♡ Track essential outcomes ♡ Account for the barriers to uptake in communities, social service agencies, and health care facilities The challenges to moving research into practice are universal, and they're complicated by the current landscape's reliance on partnerships and multi-center research. In this light, Dissemination and Implementation Research in Health is nothing less than a roadmap to effecting change in the sciences. It will have broad utility to researchers and practitioners in epidemiology, biostatistics, behavioral science, economics, medicine, social work, psychology, and anthropology -- both today and in our slightly better future. Global Mental Health Trials [Oxford University Press](#) Brings together many of the world's leading researchers active in the fields of randomized controlled trials (RCTs) in low- and medium-resource counties and settings related to improving mental health care to present clear and practical information about how to conduct such trials. GCSE English Literature for AQA Short Story Anthology Student Book [Cambridge University Press](#) A new series of bespoke, full-coverage resources developed for the 2015 GCSE English qualifications. Written for the AQA GCSE English Literature specification for first teaching from 2015, this print Student Book provides specific set text coverage for the modern British fiction aspect of the specification. With progress at its heart and designed for classroom and independent use, students will build their skills through a range of active learning approaches, including class, group and individual activities. Incorporating differentiated support, activities will also help students develop whole-text knowledge. An enhanced digital version and free Teacher's Resource are also available. The Power of Faith, Exemplified in the Life and Writings of the Late Mrs. ... [BoD - Books on Demand](#) Reproduction of the original: The Power of Faith, Exemplified in the Life and Writings of the Late Mrs. ... by Isabella Graham The Moon Points Back [Oxford University Press, USA](#) "The Moon Points Back investigates central areas of Buddhist philosophy--most importantly the notion of emptiness (unyat)--applying the techniques of contemporary analytic philosophy and logic. This allows for novel understandings and insights of these areas, and shows how Buddhist philosophers can engage with debates in contemporary Western philosophy"-- Well-Being: Expanding the Definition of Progress Insights from Practitioners, Researchers, and Innovators from Around the Globe [Oxford University Press, USA](#) Cities and countries around the globe are starting to incorporate a well-being approach by reorienting policies and budgets to benefit people and long-term sustainability. With insights from an international group of scientists, practitioners, and innovators, Well-Being considers the measurement focus of conversations surrounding well-being, then moves beyond to action: shifts in policy, narratives, and power, and alignment with other movements across sectors. Graham Greene's Catholic Imagination [Oxford University Press](#) Much has been written about Graham Greene's relationship to his Catholic faith and its privileged place within his texts. His early books are usually described as "Catholic Novels" - understood as a genre that not only uses Catholic belief to frame the issues of modernity, but also offers Catholicism's vision and doctrine as a remedy to the present crisis in Western civilization. Greene's later work, by contrast, is generally regarded as falling into political and detective genres. In this book, Mark Bosco argues that this is a false dichotomy created by a narrowly prescriptive understanding of the Catholic genre and obscures the impact of Greene's developing religious imagination on his literary art. The Hearing Eye Jazz & Blues Influences in African American Visual Art [Oxford University Press](#) The widespread presence of jazz and blues in African American visual art has long been overlooked. The Hearing Eye makes the case for recognizing the music's importance, both as formal template and as explicit subject matter. Moving on from the use of iconic musical figures and motifs in Harlem Renaissance art, this groundbreaking collection explores the more allusive - and elusive - references to jazz and blues in a wide range of mostly contemporary visual artists. There are scholarly essays on the painters Rose Piper (Graham Lock), Norman Lewis (Sara Wood), Bob Thompson (Richard H. King), Romare Bearden (Robert G. O'Meally, Johannes V?lz) and Jean-Michel Basquiat (Robert Farris Thompson), as well an account of early blues advertising art (Paul Oliver) and a discussion of the photographs of Roy DeCarava (Richard Ings). These essays are interspersed with a series of in-depth interviews by Graham Lock, who talks to quilter Michael Cummings and painters Sam Middleton, Wadsworth Jarrell, Joe Overstreet and Ellen Banks about their musical inspirations, and also looks at art's reciprocal effect on music in conversation with saxophonists Marty Ehrlich and Jane Ira Bloom. With numerous illustrations both in the book and on its companion website, The Hearing Eye reaffirms the significance of a fascinating and dynamic aspect of African American visual art that has been too long neglected. The Law of Non-Contradiction New Philosophical Essays [Clarendon Press](#) The Law of Non-Contradiction-that no contradiction can be true-has been a seemingly unassailable dogma since the work of Aristotle, in Book Gamma of the Metaphysics. It is an assumption challenged from a variety of angles in this collection of original papers. Twenty-three of the world's leading experts investigate the 'law', considering arguments for and against it and discussing methodological issues that arise whenever we question the legitimacy of logical principles. The result is a balanced inquiry into a venerable principle of logic, one that raises questions at the very centre of logic itself. The aim of this volume is to present a comprehensive debate about the Law of Non-Contradiction, from discussions as to how the law is to be understood, to reasons for accepting or re-thinking the law, and to issues that raise challenges to the law, such as the Liar Paradox, and a 'dialetheic' resolution of that paradox. One of the editors contributes an introduction which surveys the issues and serves to frame the debate. This collection will be of interest to anyone working on philosophical logic, and to anyone who has ever wondered about the status of logical laws and about how one might proceed to mount arguments for or against them. Chemistry and Our Universe Episode 23: Kinetic Molecular Theory Apply the physics of moving bodies to the countless particles comprising a gas. Observe how Graham's law links the mass of gas particles to the rate at which they escape through a small aperture, a process known as effusion. See how this technique was used to enrich uranium for the first atomic weapons. Fundamentalists in the City Conflict and Division in Boston's Churches, 1885-1950 [Oxford University Press](#) Fundamentalists in the City is a story of religious controversy and division, set within turn of the century and early twentieth-century Boston. It offers a new perspective on the rise of fundamentalism, emphasizing the role of local events, both sacred and secular, in deepening the divide between liberal and conservative Protestants. The first part of the narrative, beginning with the arrest of three clergymen for preaching on the Boston Common in 1885, shows the importance of anti-Catholicism as a catalyst for change. The second part of the book deals with separation, told through the events of three city-wide revivals, each demonstrating a stage of conservative Protestant detachment from their urban origins. Maths for Chemists [Royal Society of Chemistry](#) This is a new edition of the combined Volumes I and II of the hugely successful Tutorial Chemistry Texts Maths for Chemists. The new edition will continue to provide an excellent resource for all undergraduate chemistry students particularly focussing on the needs of students who may not have studied mathematics beyond GCSE level (or equivalent). The

text is introductory in nature and adopts a sympathetic approach for students who need support and understanding in working with the diverse mathematical tools required in a typical chemistry degree course. The topics covered include: power series, which are used to formulate alternative representations of functions and are important in model building in chemistry; complex numbers and complex functions, which appear in quantum chemistry, spectroscopy and crystallography; matrices and determinants used in the solution of sets of simultaneous linear equations and in the representation of geometrical transformations used to describe molecular symmetry characteristics; and vectors which allow the description of directional properties of molecules. New material includes a new chapter on Statistics and Error Analysis. Ideal for the needs of undergraduate chemistry students, Maths for Chemists is a comprehensive text consisting of short, single topic or modular texts concentrating on the fundamental areas of chemistry taught in undergraduate science courses. It provides a concise account of the basic principles underlying a given subject, embodying an independent-learning philosophy and including worked examples. Chemistry The Molecular Nature of Matter and Change [McGraw-Hill Companies](#) Chemistry: The Molecular Nature of Matter and Change by Martin Silberberg has become a favorite among faculty and students. Silberberg's 4th edition contains features that make it the most comprehensive and relevant text for any student enrolled in General Chemistry. The text contains unprecedented macroscopic to microscopic molecular illustrations, consistent step-by-step worked exercises in every chapter, an extensive range of end-of-chapter problems which provide engaging applications covering a wide variety of freshman interests, including engineering, medicine, materials, and environmental studies. All of these qualities make Chemistry: The Molecular Nature of Matter and Change the centerpiece for any General Chemistry course. Military Anthropology Soldiers, Scholars and Subjects at the Margins of Empire [Oxford University Press](#) In almost every military intervention in its history, the US has made cultural mistakes that hindered attainment of its policy goals. From the strategic bombing of Vietnam to the accidental burning of the Koran in Afghanistan, it has blundered around with little consideration of local cultural beliefs and for the long-term effects on the host nation's society. Cultural anthropology--the so-called "handmaiden of colonialism"--has historically served as an intellectual bridge between Western powers and local nationals. What light can it shed on the intersection of the US military and foreign societies today? This book tells the story of anthropologists who worked directly for the military, such as Ursula Graham Bower, the only woman to hold a British combat command during WWII. Each faced challenges including the negative outcomes of exporting Western political models and errors of perception. Ranging from the British colonial era in Africa to the recent wars in Iraq and Afghanistan, Military Anthropology illustrates the conceptual, cultural and practical barriers encountered by military organisations operating in societies vastly different from their own. From the Molecular World A Nineteenth-Century Science Fantasy [Springer Science & Business Media](#) Hermann Kopp (1817-1892) is best remembered today as a historian of chemistry, but during his lifetime he was one of the most eminent chemists of his day, and one of the earliest pioneers of physical chemistry. Late in his career he wrote an endearing fantasy about personified molecules. Published in 1882, *Aus der Molecular-Welt (From the Molecular World)* portrayed the intimate details of what might actually be happening in the sub-microscopic world; the atoms and molecules we meet there have agency, personalities, sometimes even dialog. Filled with appealing tropes, humor, and whimsical asides, Kopp's short book provided an examination of the chemistry and physics of his day that was always light-hearted on the surface, but often surprisingly profound. Properly interpreted, the book provides a revealing tour of nineteenth-century debates concerning chemical theory. It is here translated into English, richly annotated, and equipped with an illuminating preface by a leading historian of chemistry. It provides entertaining reading to practicing chemists, as well as new insights to historians of science. Chemistry, Theoretical, Practical, and Analytical As Applied and Relating to the Arts and Manufactures Chemistry: An Atoms First Approach [Cengage Learning](#) Steve and Susan Zumdahl's texts focus on helping students build critical thinking skills through the process of becoming independent problem-solvers. They help students learn to think like a chemists so they can apply the problem solving process to all aspects of their lives. In CHEMISTRY: AN ATOMS FIRST APPROACH, the Zumdahls use a meaningful approach that begins with the atom and proceeds through the concept of molecules, structure, and bonding, to more complex materials and their properties. Because this approach differs from what most students have experienced in high school courses, it encourages them to focus on conceptual learning early in the course, rather than relying on memorization and a plug and chug method of problem solving that even the best students can fall back on when confronted with familiar material. The atoms first organization provides an opportunity for students to use the tools of critical thinkers: to ask questions, to apply rules and models and to evaluate outcomes. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Wild With You Small town single father, firefighter romance [J.H. Croix](#) A brand new firefighter series from USA Today Bestselling Author J.H. Croix! ✓ Single father with axe-swinging hotness ✓ Polar opposites attract ✓ Barn burner chemistry with a serious slow burn ✓ Meet cute, corgi included When a grumpy hotshot firefighter meets a homecoming queen from the city, all bets are off. I don't have time for romance, much less for prissy Madison Glen. The first time I meet her, I kiss her. The second time I meet her, she's breaking into my neighbor's house. She swears up and down she's not a criminal. Maybe not, but she is definitely a distraction I don't need. I've got my hands full with my mouthy daughter and an insanely busy life as a hotshot firefighter. It doesn't surprise me at all to learn Madison was homecoming queen in high school. She's stubborn, impractical, and she'd win the contest for least-likely to survive in small town Alaska. She's also sultry and sassy. She's everything I don't need. It doesn't matter what I tell myself though. I can't keep my hands to myself when she's around, and she kisses like a dream. Keywords: Graham & Madison's story is perfect for readers who love small town romance, hotshot firefighters, single father romance, alpha heroes, smart sassy heroines, frenemies to lovers, hate to love, opposites attract, slow burn, emotional romance with a dash of angst, plenty of steam and swoon, and a deeply protective grumpy hero. *A full-length, standalone romance. Fundamentals of Chemistry: A Modern Introduction (1966) [Elsevier](#) Fundamentals of Chemistry: A Modern Introduction focuses on the formulas, processes, and methodologies used in the study of chemistry. The book first looks at general and historical remarks, definitions of chemical terms, and the classification of matter and states of aggregation. The text then discusses gases. Ideal gases; pressure of a gas confined by a liquid; Avogadro's Law; and Graham's Law are described. The book also discusses aggregated states of matter, atoms and molecules, chemical equations and arithmetic, thermochemistry, and chemical periodicity. The text also highlights the electronic structures of atoms. Quantization of electricity; spectra of elements; quantization of the energy of an electron associated with nucleus; the Rutherford-Bohr nuclear theory; hydrogen atom; and representation of the shapes of atomic orbitals are explained. The text also highlights the types of chemical bonds, hydrocarbons and their derivatives, intermolecular forces, solutions, and chemical equilibrium. The book focuses as well on ionic solutions, galvanic cells, and acids and bases. It also discusses the structure and basicity of hydrides and oxides. The reactivity of hydrides; charge of dispersal and basicity; effect of anionic charge; inductive effect and basicity; and preparation of acids are described. The book is a good source of information for readers wanting to study chemistry. The Irish in America