

# A Short History Of Chemistry Science Study Isaac Asimov

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**Philosophy of Chemistry** Davis Baird 2011-09-01 This comprehensive volume marks a new standard in scholarship in the emerging field of the philosophy of chemistry. Philosophers, chemists, and historians of science ask some fundamental questions about the relationship between philosophy and chemistry.

**The History of Chemistry** John Hudson 2012-12-06 This book is written as a result of a personal conviction of the value of incorporating historical material into the teaching of chemistry, both at school and undergraduate level. Indeed, it is highly desirable that an undergraduate course in chemistry incorporates a separate module on the history of chemistry. This book is therefore aimed at teachers and students of chemistry, and it will also appeal to practising chemists. While the last 25 years has seen the appearance of a large number of specialist scholarly publications on the history of chemistry, there has been little written in the way of an introductory overview of the subject. This book fills that gap. It incorporates some of the results of recent research, and the text is illustrated throughout. Clearly, a book of this length has to be highly selective in its coverage, but it describes the themes and personalities which in the author's opinion have been of greatest importance in the development of the subject. The famous American

historian of science, Henry Guerlac, wrote: 'It is the central business of the historian of science to reconstruct the story of the acquisition of this knowledge and the refinement of its method or methods, and-perhaps above all-to study science as a human activity and learn how it arose, how it developed and expanded, and how it has influenced or been influenced by man's material, intellectual, and even spiritual aspirations' (Guerlac, 1977). This book attempts to describe the development of chemistry in these terms.

**A Short History of Biology** Isaac Asimov 1980-01-01

[A Short History of Chemistry](#) Francis Preston Venable 1894

**Instruments and Experimentation in the History of Chemistry**

Frederic Lawrence Holmes 2000 From the days of the alchemists through the creation of the modern laboratory, chemistry has been defined by its instruments and experimental techniques. Historians, however, have tended to focus on the course of chemical theory rather than on the tools and experiments that drove the theory. This volume moves chemical instruments and experiments into the foreground of historical concern, in line with the emphasis on practice that characterizes current work on other fields of science and engineering. The principal themes are: change and stability, precision, the construction and transformation of apparatus, the dissemination of

instruments, and the bridging of disciplines through instruments. The essays are divided into three chronological sections: The Practice of Alchemy (reviewing the material and iconographic evidence as well as the written record and the issue of reproducibility of alchemical experiments), From Hales to the Chemical Revolution (discussing significant seventeenth- and eighteenth-century innovations as well as smaller innovations that cumulatively extended the reach and improved the quality of chemical experimentation), and The Nineteenth and Early Twentieth Centuries (discussing the increasingly important role of innovative apparatus as chemistry grew into the first large-scale modern scientific discipline). Contributors : R. G. W. Anderson, Bernadette Bensaude-Vincent, Maurice Crosland, Jan Golinski, Frederic L. Holmes, Trevor H. Levere, Seymour H. Mauskopf, William R. Newman, Mary Jo Nye, Lawrence M. Principe, Alan J. Rocke, Colin A. Russell, William A. Smeaton, Melvyn Usselman.

*Chemistry: A Very Short Introduction* Peter Atkins 2015-02-26 Most people remember chemistry from their schooldays as largely incomprehensible, a subject that was fact-rich but understanding-poor, smelly, and so far removed from the real world of events and pleasures that there seemed little point, except for the most introverted, in coming to terms with its grubby concepts, spells, recipes, and rules. Peter Atkins wants to change all that. In this Very Short Introduction to Chemistry, he encourages us to look at chemistry anew, through a chemist's eyes, in order to understand its central concepts and to see how it contributes not only towards our material comfort, but also to human culture. Atkins shows how chemistry provides the infrastructure of our world, through the chemical industry, the fuels of heating, power generation, and transport, as well as the fabrics of our clothing and furnishings. By considering the remarkable achievements that chemistry has made, and examining its place between both physics and biology, Atkins presents a fascinating, clear, and rigorous exploration of the world of chemistry - its structure, core concepts, and exciting contributions to new cutting-edge technologies. 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.

*The Chemistry Book* Derek B. Lowe 2016-01-05 From atoms and fluorescent pigments to sulfa drug synthesis and buckyballs, this lush and authoritative chronology presents 250 milestones in the world of chemistry. As the "central science" that bridges biology and physics, chemistry plays an important role in countless medical and technological advances. Covering entertaining stories and unexpected applications, chemist and journalist Derek B. Lowe traces the most important—and surprising—chemical discoveries.

*The Matter Factory* Peter J. T. Morris 2015-04-15 White coats, Bunsen burners, beakers, flasks, and pipettes—the furnishings of the chemistry laboratory are familiar to most of us from our school days, but just how did these items come to be the crucial tools of science? Examining the history of the laboratory, Peter J. T. Morris offers a unique way to look at the history of chemistry itself, showing how the development of the laboratory helped shape modern chemistry. Chemists, Morris shows, are one of the leading drivers of innovation in laboratory design and technology. He tells of fascinating lineages of invention and innovation, for instance, how the introduction of coal gas into Robert Wilhelm Bunsen's laboratory led to the eponymous burner, which in turn led to the development of atomic spectroscopy. Comparing laboratories across eras, from the furnace-centered labs that survived until the late eighteenth century to the cleanrooms of today, he shows how the overlooked aspects of science—the architectural design and innovative tools that have facilitated its practice—have had a profound impact on what science has been able to do and, ultimately, what we have been able to understand.

*A Chemical History Tour* Arthur Greenberg 2000-03-07 Take a stroll through this one-of-a-kind book that offers readers an illustrated tour of how chemistry developed, from alchemy to the emergence of chemistry as a scientific discipline in the early 17th century, and, finally, modern-

day chemistry. Discover this rare collection of more than 180 illustrations spanning 400 years of chemical publications, with each illustration accompanied by an essay discussing its significance in the context of historical scientific beliefs as well as modern chemical science. The author's knowledge and enthusiasm for the books, images, and subject matter are clearly reflected throughout the very readable, informative, and frequently funny essays. High-quality, full-page reproductions from the author's art collection, published from 1599 to the present, are eloquently displayed.

*Philosophy of Chemistry* Eric Scerri 2014-11-11 This volume follows the successful book, which has helped to introduce and spread the Philosophy of Chemistry to a wider audience of philosophers, historians, science educators as well as chemists, physicists and biologists. The introduction summarizes the way in which the field has developed in the ten years since the previous volume was conceived and introduces several new authors who did not contribute to the first edition. The editors are well placed to assemble this book, as they are the editor in chief and deputy editors of the leading academic journal in the field, *Foundations of Chemistry*. The philosophy of chemistry remains a somewhat neglected field, unlike the philosophy of physics and the philosophy of biology. Why there has been little philosophical attention to the central discipline of chemistry among the three natural sciences is a theme that is explored by several of the contributors. This volume will do a great deal to redress this imbalance. Among the themes covered is the question of reduction of chemistry to physics, the reduction of biology to chemistry, whether true chemical laws exist and causality in chemistry. In addition more general questions of the nature of organic chemistry, biochemistry and chemical synthesis are examined by specialist in these areas.

*A Brief History of Chemistry* Michael S Ridenour

**Bibliography on the History of Chemistry and Chemical Technology. 17th to the 19th Century / Bibliographie zur Geschichte der Chemie und chemischen Technologie. 17. bis 19. Jahrhundert** Valentin Wehefritz 1994-01-01

Transforming Matter Trevor H. Levere 2001-08-03 Transforming Matter provides an accessible and clearly written introduction to the history of chemistry, telling the story of how the discipline has developed over the years.

*Quantities, Units and Symbols in Physical Chemistry* E Richard Cohen 2007-10-31 The first IUPAC Manual of Symbols and Terminology for Physicochemical Quantities and Units (the Green Book) of which this is the direct successor, was published in 1969, with the object of 'securing clarity and precision, and wider agreement in the use of symbols, by chemists in different countries, among physicists, chemists and engineers, and by editors of scientific journals'. Subsequent revisions have taken account of many developments in the field, culminating in the major extension and revision represented by the 1988 edition under the simplified title *Quantities, Units and Symbols in Physical Chemistry*. This 2007, Third Edition, is a further revision of the material which reflects the experience of the contributors with the previous editions. The book has been systematically brought up to date and new sections have been added. It strives to improve the exchange of scientific information among the readers in different disciplines and across different nations. In a rapidly expanding volume of scientific literature where each discipline has a tendency to retreat into its own jargon this book attempts to provide a readable compilation of widely used terms and symbols from many sources together with brief understandable definitions. This is the definitive guide for scientists and organizations working across a multitude of disciplines requiring internationally approved nomenclature.

*Ideas in Chemistry* David M. Knight 2005-10-01 Highly recommended for inclusion in introductory courses in the history of science. The story takes us from an occult science to a reduced & service science; in a trajectory the high point of which came in the 19th century, when chemistry seemed the fundamental science, & was also the most popular & exciting of them all. Contents: A biography of chemistry; An occult science; A mechanical science; An independent science; The fundamental science: A revolutionary or an inductive science?; The experimental science; A useful science; A deductive science; A descriptive, classifying

science; A teaching science; A reduced science; & A service science. Named 'An Outstanding Academic Book' in 1994 by Choice. Chemistry Education and Contributions from History and Philosophy of Science Mansoor Niaz 2015-12-23 This book explores the relationship between the content of chemistry education and the history and philosophy of science (HPS) framework that underlies such education. It discusses the need to present an image that reflects how chemistry developed and progresses. It proposes that chemistry should be taught the way it is practiced by chemists: as a human enterprise, at the interface of scientific practice and HPS. Finally, it sets out to convince teachers to go beyond the traditional classroom practice and explore new teaching strategies. The importance of HPS has been recognized for the science curriculum since the middle of the 20th century. The need for teaching chemistry within a historical context is not difficult to understand as HPS is not far below the surface in any science classroom. A review of the literature shows that the traditional chemistry classroom, curricula, and textbooks while dealing with concepts such as law, theory, model, explanation, hypothesis, observation, evidence and idealization, generally ignore elements of the history and philosophy of science. This book proposes that the conceptual understanding of chemistry requires knowledge and understanding of the history and philosophy of science. "Professor Niaz's book is most welcome, coming at a time when there is an urgently felt need to upgrade the teaching of science. The book is a huge aid for adding to the usual way - presenting science as a series of mere facts - also the necessary mandate: to show how science is done, and how science, through its history and philosophy, is part of the cultural development of humanity." Gerald Holton, Mallinckrodt Professor of Physics & Professor of History of Science, Harvard University "In this stimulating and sophisticated blend of history of chemistry, philosophy of science, and science pedagogy, Professor Mansoor Niaz has succeeded in offering a promising new approach to the teaching of fundamental ideas in chemistry. Historians and philosophers of chemistry --- and above all, chemistry teachers --- will find this book full of valuable and highly usable new ideas" Alan Rocke,

Case Western Reserve University "This book artfully connects chemistry and chemistry education to the human context in which chemical science is practiced and the historical and philosophical background that illuminates that practice. Mansoor Niaz deftly weaves together historical episodes in the quest for scientific knowledge with the psychology of learning and philosophical reflections on the nature of scientific knowledge and method. The result is a compelling case for historically and philosophically informed science education. Highly recommended!" Harvey Siegel, University of Miami "Books that analyze the philosophy and history of science in Chemistry are quite rare. 'Chemistry Education and Contributions from History and Philosophy of Science' by Mansoor Niaz is one of the rare books on the history and philosophy of chemistry and their importance in teaching this science. The book goes through all the main concepts of chemistry, and analyzes the historical and philosophical developments as well as their reflections in textbooks. Closest to my heart is Chapter 6, which is devoted to the chemical bond, the glue that holds together all matter in our earth. The chapter emphasizes the revolutionary impact of the concept of the 'covalent bond' on the chemical community and the great novelty of the idea that was conceived 11 years before quantum mechanics was able to offer the mechanism of electron pairing and covalent bonding. The author goes then to describe the emergence of two rival theories that explained the nature of the chemical bond in terms of quantum mechanics; these are valence bond (VB) and molecular orbital (MO) theories. He emphasizes the importance of having rival theories and interpretations in science and its advancement. He further argues that this VB-MO rivalry is still alive and together the two conceptual frames serve as the tool kit for thinking and doing chemistry in creative manners. The author surveys chemistry textbooks in the light of the how the books preserve or not the balance between the two theories in describing various chemical phenomena. This Talmudic approach of conceptual tension is a universal characteristic of any branch of evolving wisdom. As such, Mansoor's book would be of great utility for chemistry teachers to examine how can they become more effective teachers by recognizing the importance of

conceptual tension". Sason Shaik Saeree K. and Louis P. Fiedler Chair in Chemistry Director, The Lise Meitner-Minerva Center for Computational Quantum Chemistry, The Hebrew University of Jerusalem, ISRAEL

**Studies in the History of Chemistry** Sir Harold Hartley 1971

**Business Chemistry** Kim Christfort 2018-05-22 A guide to putting cognitive diversity to work Ever wonder what it is that makes two people click or clash? Or why some groups excel while others fumble? Or how you, as a leader, can make or break team potential? Business Chemistry holds the answers. Based on extensive research and analytics, plus years of proven success in the field, the Business Chemistry framework provides a simple yet powerful way to identify meaningful differences between people's working styles. Who seeks possibilities and who seeks stability? Who values challenge and who values connection? Business Chemistry will help you grasp where others are coming from, appreciate the value they bring, and determine what they need in order to excel. It offers practical ways to be more effective as an individual and as a leader. Imagine you had a more in-depth understanding of yourself and why you thrive in some work environments and flounder in others. Suppose you had a clearer view on what to do about it so that you could always perform at your best. Imagine you had more insight into what makes people tick and what ticks them off, how some interactions unlock potential while others shut people down. Suppose you could gain people's trust, influence them, motivate them, and get the very most out of your work relationships. Imagine you knew how to create a work environment where all types of people excel, even if they have conflicting perspectives, preferences and needs. Suppose you could activate the potential benefits of diversity on your teams and in your organizations, improving collaboration to achieve the group's collective potential. Business Chemistry offers all of this--you don't have to leave it up to chance, and you shouldn't. Let this book guide you in creating great chemistry!

**The Sceptical Chymist** Robert Boyle 2020-07-30 Reproduction of the original: The Sceptical Chymist by Robert Boyle

**A History of Modern Chemistry** Noboru Hirota 2020-11 Noboru Hirota

has produced a major historical analysis of how the field of chemistry has evolved over centuries. Spanning more than eight hundred pages, this book presents an exhaustive study of the field, showing how ground-breaking discoveries were made and innovative theories were constructed, with personal portrayals and interesting anecdotes of pioneering scholars. Positioning chemistry carefully within the natural sciences, the author rejects the traditional separation of physics, chemistry and biology, defines chemistry broadly as the 'science of atoms and molecules,' and traces its dynamic history with an emphasis on 20th century developments and more recent findings. Professor Hirota himself has spearheaded research in physical chemistry for more than four decades in Japan and the United States, with cutting-edge engagement with magnetic resonance, spectroscopy, and photochemistry. This publication invites specialized researchers to traverse the pathways along which the subject developed into its present form and to understand how their own research fits into the broad scope of science as a whole. \*\*\*\*Chosen as an Outstanding Academic Title for 2017 by Choice Magazine!! In addition, the Choice subject editors have chosen "A History of Modern Chemistry" as one of their top favorite 25 titles! \*\*\*"There are many books on the history of chemistry, but few that provide a comprehensive overview of the field up to the modern day. This book admirably fills that need. Overall, this is an excellent book and is strongly recommended." --Choice, Vol. 54, No. 7, March 2017 [Subject: History of Science, Chemistry]

**Conversations on Chemistry** Jane Haldimand Marcet 2010-10-31 Bright, humorous and engaging, Marcet's best-selling 1805 book was designed to introduce women to scientific ideas.

**Hazardous Chemicals** Ernst Homburg 2019-08-01 Although poisonous substances have been a hazard for the whole of human history, it is only with the development and large-scale production of new chemical substances over the last two centuries that toxic, manmade pollutants have become such a varied and widespread danger. Covering a host of both notorious and little-known chemicals, the chapters in this collection investigate the emergence of specific toxic, pathogenic, carcinogenic,

and ecologically harmful chemicals as well as the scientific, cultural and legislative responses they have prompted. Each study situates chemical hazards in a long-term and transnational framework and demonstrates the importance of considering both the natural and the social contexts in which their histories have unfolded.

**A Brief History of Chemistry** Edited by: Kisak 2015-11-03 The history of chemistry represents a time span from ancient history to the present. By 1000 BC, civilizations used technologies that would eventually form the basis to the various branches of chemistry. Examples include extracting metals from ores, making pottery and glazes, fermenting beer and wine, extracting chemicals from plants for medicine and perfume, rendering fat into soap, making glass, and making alloys like bronze. The protoscience of chemistry, alchemy, was unsuccessful in explaining the nature of matter and its transformations. However, by performing experiments and recording the results, alchemists set the stage for modern chemistry. The distinction began to emerge when a clear differentiation was made between chemistry and alchemy by Robert Boyle in his work *The Sceptical Chymist* (1661). While both alchemy and chemistry are concerned with matter and its transformations, chemists are seen as applying scientific method to their work. Chemistry is considered to have become an established science with the work of Antoine Lavoisier, who developed a law of conservation of mass that demanded careful measurement and quantitative observations of chemical phenomena. The history of chemistry is also intertwined with the history of thermodynamics. This book gives a comprehensive current overview on the history of the science of chemistry.

The Chemical Tree William Hodson Brock 2000 From alchemy to industry, a synthetic history of chemistry through the ages.

**Lessons in Chemistry** Bonnie Garmus 2022-03-29 A delight for readers of *Where'd You Go, Bernadette*, this blockbuster debut set in 1960s California features the singular voice of Elizabeth Zott, a scientist whose career takes a detour when she becomes the star of a beloved TV cooking show. Elizabeth Zott is not your average woman. In fact Elizabeth Zott would be the first to point out that there is no such thing

as an average woman. But it's the 1960s and despite the fact that she is a scientist, her peers are very unscientific when it comes to equality. The only good thing to happen to her on the road to professional fulfillment is a run-in with her super-star colleague Calvin Evans (well, she stole his beakers). The only man who ever treated her—and her ideas—as equal, Calvin is already a legend and Nobel nominee. He's also awkward, kind and tenacious. There is true chemistry. But as events are never as predictable as chemical reactions, three years later Elizabeth Zott is an unwed, single mother (did we mention it's the early 60s?) and the star of America's most beloved cooking show *Supper at Six*. Elizabeth's singular approach to cooking ("take one pint of H<sub>2</sub>O and add a pinch of sodium chloride") and independent example are proving revolutionary. Because Elizabeth isn't just teaching women how to cook, she's teaching them how to change the status quo. Laugh-out-loud funny, shrewdly observant and studded with a dazzling cast of supporting characters (including the best canine character in years), *Lessons in Chemistry* is as original and vibrant as its protagonist.

**A Short History of Chemistry** Isaac Asimov 1979 From the use of metals by prehistoric man to the alchemical experiments of medieval and renaissance man to the complex chemical skills of contemporary man, Asimov traces the development of this building block of our technological world.

**A History of Chemistry from Earliest Times to the Present Day** Ernst von Meyer 1891

**Science Without God?** Peter Harrison 2018-11-29 Can scientific explanation ever make reference to God or the supernatural? The present consensus is no; indeed, a naturalistic stance is usually taken to be a distinguishing feature of modern science. Some would go further still, maintaining that the success of scientific explanation actually provides compelling evidence that there are no supernatural entities, and that true science, from the very beginning, was opposed to religious thinking. *Science without God? Rethinking the History of Scientific Naturalism* shows that the history of Western science presents us with a more nuanced picture. Beginning with the naturalists of ancient Greece,

and proceeding through the middle ages, the scientific revolution, and into the nineteenth century, the contributors examine past ideas about 'nature' and 'the supernatural'. Ranging over different scientific disciplines and historical periods, they show how past thinkers often relied upon theological ideas and presuppositions in their systematic investigations of the world. In addition to providing material that contributes to a history of 'nature' and naturalism, this collection challenges a number of widely held misconceptions about the history of scientific naturalism.

**The Oxford History of Historical Writing** Daniel Woolf 2011-05-05 A chronological scholarly survey of the history of historical writing in five volumes. Each volume covers a particular period of time, from the beginning of writing to the present day, and from all over the world.

*Chymists and Chymistry* Lawrence Principe 2007 This volume brings together papers presented at an international conference at the Chemical Heritage Foundation in 2006 by over twenty eminent researchers. The collection features work on the perennial issues of symbolism, textual exegesis, transmutation and the danger of fraud, as well as treatments of the intersections of alchemy with fine art, theology, archaeology, and gender. *Chymists and Chymistry* offers readers a wealth of new scholarship on this intriguing topic and glimpses of the exciting frontiers in chymistry waiting to be explored.--Publisher.

*A History of Chemistry* Bernadette Bensaude-Vincent 1996 Presents chemistry as a science in search of an identity, or rather as a science whose identity has changed in response to its relation to society and other disciplines. This book discusses the conceptual, experimental, and technological challenges with wh

*Asimov on Chemistry* Isaac Asimov 1975 Essays samlet under overskrifterne: Inorganic chemistry, Nuclear chemistry, Organic chemistry, Biochemistry, Geochemistry, General

**The History of Chemistry: A Very Short Introduction** William H. Brock 2016-01-28 From man's first exploration of natural materials and their transformations to today's materials science, chemistry has always been the central discipline that underpins both the physical and

biological sciences, as well as technology. In this Very Short Introduction, William H Brock traces the unique appeal of this fundamental science throughout history. Covering alchemy, early-modern chemistry, pneumatic chemistry and Lavoisier's re-interpretation of chemical change, the rise of organic and physical chemistry, and the transforming power of synthesis, Brock explores the extraordinary and often puzzling transformations of natural and artificial materials, as well as the men and women who experimented, speculated, and explained matter and change. 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.

**Studies in Natural Products Chemistry** Atta-ur- Rahman 2012-12-06 Natural products play an integral and ongoing role in promoting numerous aspects of scientific advancement, and many aspects of basic research programs are intimately related to natural products. With articles written by leading authorities in their respective fields of research, *Studies in Natural Products Chemistry, Volume 37* presents current frontiers and future guidelines for research based on important discoveries made in the field of bioactive natural products. It is a valuable source for researchers and engineers working in natural products and medicinal chemistry. Describes the chemistry of bioactive natural products Contains contributions by leading authorities in the field A valuable source for researchers and engineers working in natural product and medicinal chemistry

*The Development of Modern Chemistry* Aaron J. Ihde 1984-01-01 From ancient Greek theory to the explosive discoveries of the 20th century, this authoritative history shows how major chemists, their discoveries, and political, economic, and social developments transformed chemistry into a modern science. 209 illustrations. 14 tables. Bibliographies. Indices. Appendices.

*The History of Chemistry* Thomas Thomson 1830

**Exploring the World of Chemistry** John Hudson Tiner 2001-09-01

Chemistry is an amazing branch of science that affects us every day, yet few people realize it, or even give it much thought. Without chemistry, there would be nothing made of plastic, there would be no rubber tires, no tin cans, no television, no microwave ovens, or something as simple as wax paper. This book presents an exciting and intriguing tour through the realm of chemistry as each chapter unfolds with facts and stories about the discoveries and discoverers. Find out why pure gold is not used for jewelry or coins. Join Humphry Davy as he made many chemical discoveries, and learn how they shortened his life. See how people in the 1870s could jump over the top of the Washington Monument. Exploring the World of Chemistry brings science to life and is a wonderful learning tool with many illustrations, biographical information, chapter tests, and an index for easy referencing.

**A Little History of Science** William Bynum 2012-10-15 Science is fantastic. It tells us about the infinite reaches of space, the tiniest living organism, the human body, the history of Earth. People have always been doing science because they have always wanted to make sense of the world and harness its power. From ancient Greek philosophers through Einstein and Watson and Crick to the computer-assisted scientists of

today, men and women have wondered, examined, experimented, calculated, and sometimes made discoveries so earthshaking that people understood the world—or themselves—in an entirely new way. This inviting book tells a great adventure story: the history of science. It takes readers to the stars through the telescope, as the sun replaces the earth at the center of our universe. It delves beneath the surface of the planet, charts the evolution of chemistry's periodic table, introduces the physics that explain electricity, gravity, and the structure of atoms. It recounts the scientific quest that revealed the DNA molecule and opened unimagined new vistas for exploration. Emphasizing surprising and personal stories of scientists both famous and unsung, *A Little History of Science* traces the march of science through the centuries. The book opens a window on the exciting and unpredictable nature of scientific activity and describes the uproar that may ensue when scientific findings challenge established ideas. With delightful illustrations and a warm, accessible style, this is a volume for young and old to treasure together.

**Historical Introduction to Chemistry** Thomas Martin Lowry 1915

*A Short History of Chemistry* James Riddick Partington 1989-01-01 This classic exposition explores the origins of chemistry, alchemy, early medical chemistry, nature of atmosphere, theory of valency, laws and structure of atomic theory, and much more.