

Elements Of Chemistry

Philip Ball

Elements Of Chemistry:

Elements of Chemistry John Lee Comstock,1837 **30-Second Elements** Eric Scerri,2013-08-01 When was radium discovered Who are Dmitri Mendeleev and Glenn T Seaborg Who discovered uranium s radioactivity Which element is useful for dating the age of Earth And why doesn t gold have a scientific name 30 Second Elements presents you with the very foundations of chemical knowledge explaining concisely the 50 most significant chemical elements This book uses helpful glossaries and tables to fast track your knowledge of the other 68 elements and the relationships between all of them

The Elements: A Very Short Introduction Philip Ball, 2004-04-08 This Very Short Introduction is an exciting and non traditional approach to understanding the terminology properties and classification of chemical elements It traces the history and cultural impact of the elements on humankind from ancient times through today Packed with anecdotes The Elements is a highly engaging and entertaining exploration of the fundamental guestion what is the world made from **Chemical Philosophy** Sir Humphry Davy, 1812 This is largely Davy s account of those areas of chemistry in which he himself worked Part II which was to cover the rest of science never appeared The Chemistry of Superheavy Elements Matthias Schädel, 2007-05-08 This book is the first to treat the chemistry of superheavy elements including important related nuclear aspects as a self contained topic It is written for those students and novices who begin to work and those who are working in this fascinating and challenging field of the heaviest and superheavy elements for their lecturers their advisers and for the practicing scientists in the field chemists and physicists as the most complete source of reference about our today s knowledge of the chemistry of transactinides and superheavy elements However besides a number of very detailed discussions for the experts this book shall also provide interesting and easy to read material for teachers who are interested in this subject for those chemists and physicists who are not experts in the field and for our interested fellow scientists in adjacent fields Special emphasis is laid on an extensive coverage of the original literature in the reference part of each of the eight chapters to facilitate further and deeper studies of specific aspects The index for each chapter should provide help to easily find a desired topic and to use this book as a convenient source to get fast access to a desired topic Superheavy elements chemical elements which are much heavier than those which we know of from our daily life are a persistent dream in human minds and the kernel of science fiction literature for about a century **The Elements** Tom Jackson, 2018-03

Elements of Chemistry Antoine Lavoisier, 2011-09-12 Monumental classic by the founder of modern chemistry features first explicit statement of law of conservation of matter in chemical change and more Facsimile reprint of original 1790 Kerr translation Lavoisier. Faraday Antoine Laurent Lavoisier, Mortimer J. Adler, 2003 Nature's Building Blocks John Emsley, 2011-08-25 John Emsley s Nature's Building Bocks was published in paperback in 2003 In this readable informative and fascinating guide to the elements are entries on each of the 100 odd chemical elements arranged alphabetically from actinium to zirconium Each entry comprises an explanation of where the elements name comes from followed by Body

element the role it plays in living things Element of history how and when it was discovered Economic element what it is used for Environmental element where it occurs how much Chemical element facts figures and narrative and Element of surprise an amazing little known fact Since publication of the first edition there have been a number of developments Three new chemical elements have been named and validated darmstadtium roetgenium and copernicium and the section on transfermium elements has now been incorporated into the main part of the book Economic uses of elements have grown and some guite rare elements such as Scandium are now economically important along with updates to elements such as gold due to new roles in industry Fully revised and updated for 2010 this browsable compendium holds a wealth of useful The History and Use of Our Earth's Chemical Elements Robert E. Krebs, 2006-07-30 Understanding the Periodic Table of Chemical Elements is critical for success in the chemistry classroom and laboratory In today s classroom students not only need to understand the properties of the chemical elements but how these elements play such an integral role in industry the earth and the environment and in modern life No resource provides a better introduction than Robert Krebs s The History and Use of Our Earth s Chemical Elements In this thoroughly revised edition with extensive new examples on the importance of the chemical elements the elements are examined within their groups enabling students to make connections between elements of similar structure In addition the discovery and history of each element from those known from ancient times to those created in the modern laboratory is explained clearly and concisely Understanding the Periodic Table of Chemical Elements is critical for success in the chemistry classroom and laboratory In today s classroom students not only need to understand the properties of the chemical elements but how these elements play such an integral role in industry the earth and the environment and in modern life No resource provides a better introduction than Robert Krebs s The History and Use of Our Earth s Chemical Elements In this thoroughly revised edition with extensive new and updated examples on the use of the chemical elements the elements are examined within their groups enabling students to make connections between elements of similar structure In addition the discovery and history of each element from those known from ancient times to those created in the modern laboratory is explained clearly and concisely In addition to the handy Guide to the Chemical Elements that comprises the bulk of the work The History and Use of Our Earth's Chemical Elements includes other useful features Introductory material on the basics of chemistry and the Periodic Table Appendices on the discoverers of the chemical elements A glossary of words commonly used in chemistry and chemical engineering A complete bibliography of useful resources including websites All of this information makes The History and Use of Our Earth s Chemical Elements the ideal one volume resource for understanding the importance of the chemical elements Chemical Elements: G-O David E. Newton, 1999 This title provides in depth current and accurate information on 112 known chemical elements plus coverage on recently discovered elements 113 through 118 now waiting approval from the International Union of Pure and Applied Chemistry This new 3 vol title provides in depth current and accurate information on 112 known

chemical elements plus coverage on elements 113 through 118 known to exist but not yet discovered Entries describe how the element was discovered and by whom the element s practical role in everyday life who or what it is named after and more

The Elements of Chemistry Ira Remsen, 1900

Chemistry of the Elements N. N. Greenwood, A.

Earnshaw, 2012-12-02 When this innovative textbook first appeared in 1984 it rapidly became a great success throughout the world and has already been translated into several European and Asian languages Now the authors have completely revised and updated the text including more than 2000 new literature references to work published since the first edition No page has been left unaltered but the novel features which proved so attractive have been retained. The book presents a balanced coherent and comprehensive account of the chemistry of the elements for both undergraduate and postgraduate students This crucial central area of chemistry is full of ingenious experiments intriguing compounds and exciting new discoveries The authors specifically avoid the term inorganic chemistry since this evokes an outmoded view of chemistry which is no longer appropriate in the final decade of the 20th century Accordingly the book covers not only the inorganic chemistry of the elements but also analytical theoretical industrial organometallic bio inorganic and other cognate areas of chemistry The authors have broken with recent tradition in the teaching of their subject and adopted a new and highly successful approach based on descriptive chemistry. The chemistry of the elements is still discussed within the context of an underlying theoretical framework giving cohesion and structure to the text but at all times the chemical facts are emphasized Students are invited to enter the exciting world of chemical phenomena with a sound knowledge and understanding of the subject to approach experimentation with an open mind and to assess observations reliably This is a book that students will not only value during their formal education but will keep and refer to throughout their careers as chemists Completely revised and updated Unique approach to the subject More comprehensive than competing titles **Elements of Chemistry, Including** the Applications of the Science in the Arts Thomas Graham, 2025-05-22 Elements of Chemistry Volume 2 by Thomas Graham delves into the fundamental principles of chemistry and explores its practical applications across various arts and industries This volume builds upon the foundational concepts offering readers a comprehensive understanding of chemical elements compounds and reactions Graham elucidates the science with clear explanations and examples making it accessible to students and professionals alike The book emphasizes the role of chemistry in technological advancements and its influence on the arts showcasing the discipline's versatility and enduring relevance A valuable resource for those seeking a deeper knowledge of chemistry and its impact on the world this volume remains a classic reference for understanding the elemental building blocks of our environment and the innovative ways they can be harnessed This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work was reproduced from the original artifact and remains as true to the original work as possible Therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the

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