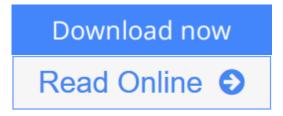


## **Chemistry of the Elements**

By N. N. Greenwood, A. Earnshaw



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

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

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#### **Editorial Review**

#### Review

This book represents an extremely important contribution to the spread and development of our knowledge of inorganic chemistry and of chemistry in general....constitutes a material support not only for the verification of existing theories but also a point of departure for the formulation of more comprehensive theories....the book offers a content superior to that of usual treatises of inorganic chemistry since it deals also with analytic, bio-inorganic, organo-metallic and even industrial aspects. The treatise is remarkable for the unitary and logical way in which the chapters are organised and in which the material within each chapter is set out....Because of the body of knowledge which it contains, *Chemistry of the Elements* is a reference book for university teachers, researchers and students.

Revista de Chimie (Romania)

...it will influence the knowledge and way of thinking of generations of students for years to come....Professor Greenwood was distinguished in 1983 with one of the major awards of the German Chemical Society. He would have deserved it for this textbook alone...

#### Angewandte Chemie, 25/2

The book contains a vast store of information on chemical reactions, structures and industrial uses. It is an excellent book, suitable for use at the advanced undergraduate-beginning graduate level as a reverence text. The authors are to be commended for a job well done.

Journal of the American Chemical Society, Volume 107, Number 18

They have succeeded admirably in selecting and presenting a staggering amount of material in what is an upto-date, in depth treatment of descriptive chemistry that will be useful not only as a text but also as a standard referene book... The volume has an attractive format, with many important topics appearing in panels highlighted with a light gray background. The book is replete with countless equations and reaction schemes and more than 1,500 carefully selected references.

Journal of College Science Teaching

#### From the Publisher

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#### About the Author

Department of Inorganic and Structural Chemistry, University of Leeds, U. K.

#### **Users Review**

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