



# Encyclopedia of the Elements: Technical Data - History - Processing - Applications

By Per Enghag

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## Encyclopedia of the Elements: Technical Data - History - Processing - Applications By Per Enghag

Famous for its history of numerous element discoverers, Sweden is the origin of this comprehensive encyclopedia of the elements.

It provides both an important database for professionals as well as detailed reading ranging from historical facts, discoverers' portraits, colour plates of mineral types, natural occurrences, and industrial figures to winning and refining processes, biological roles and applications in modern chemistry, engineering and industry.

Elemental data is presented in fact tables which include numerous physical and thermodynamic properties, isotope lists, radiation absorption characteristics, NMR parameters, and others. Further pertinent data is supplied in additional tables throughout the text.

Published in Swedish in three volumes from 1998 to 2000, the contents have been revised and expanded by the author for this English edition.

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### Review

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### Review

"The book is well researched and very accurate, providing the reader with reliable information. ... ***The Encyclopedia of the Elements*** is a highly interesting addition to the chemical literature. ... I do not know of any other book that could at this moment be listed as a serious competitor. ... ***The Encyclopedia of the Elements*** is a full-sized academic source of reference that will probably rapidly find lots of friends in all fields from (of course) inorganic chemistry, mineralogy and material science but probably among solid-state physics and geochemists, too."

--Dr. Thomas Lazar for *The Chemical Educator*

From the Back Cover

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*The publication of per Enghag's book Encyclopedia of the Elements is a project that the Swedish National Committee has decided to support because the book and its message is important for teachers and pupils in senior high schools and also for students and scientists at the universities.*

*Apart from its considerable scientific and technical value to researchers and professionals in industry, the book is a well-written encyclopedia about the elements, their occurrence and use by mankind. The book is an exciting and also humorous general view of the element discoveries. It lets us meet the discoverers to see how they worked, thought and believed.*

*History of science deals with people and how they act towards scientific facts. One cannot enough emphasize the importance of this type of history to create interest for and understanding of scientific models and ideas. This book is a good example.*

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