



A Tale of Seven Elements

Eric Scerri

Download now

Read Online ➔

[Click here](#) if your download doesn't start automatically

A Tale of Seven Elements


Eric Scerri

A Tale of Seven Elements Eric Scerri

In 1913, English physicist Henry Moseley established an elegant method for "counting" the elements based on atomic number, ranging them from hydrogen (#1) to uranium (#92). It soon became clear, however, that seven elements were mysteriously missing from the lineup--seven elements unknown to science.

In his well researched and engaging narrative, Eric Scerri presents the intriguing stories of these seven elements--protactinium, hafnium, rhenium, technetium, francium, astatine and promethium. The book follows the historical order of discovery, roughly spanning the two world wars, beginning with the isolation of protactinium in 1917 and ending with that of promethium in 1945. For each element, Scerri traces the research that preceded the discovery, the pivotal experiments, the personalities of the chemists involved, the chemical nature of the new element, and its applications in science and technology. We learn for instance that alloys of hafnium--whose name derives from the Latin name for Copenhagen (hafnia)--have some of the highest boiling points on record and are used for the nozzles in rocket thrusters such as the Apollo Lunar Modules. Scerri also tells the personal tales of researchers overcoming great obstacles. We see how Lise Meitner and Otto Hahn--the pair who later proposed the theory of atomic fission--were struggling to isolate element 91 when World War I intervened, Hahn was drafted into the German army's poison gas unit, and Meitner was forced to press on alone against daunting odds. The book concludes by examining how and where the twenty-five new elements have taken their places in the periodic table in the last half century.

A Tale of Seven Elements paints a fascinating picture of chemical research--the wrong turns, missed opportunities, bitterly disputed claims, serendipitous findings, accusations of dishonesty--all leading finally to the thrill of discovery.

 [Download A Tale of Seven Elements ...pdf](#)

 [Read Online A Tale of Seven Elements ...pdf](#)

Download and Read Free Online A Tale of Seven Elements Eric Scerri

Download and Read Free Online A Tale of Seven Elements Eric Scerri

From reader reviews:

Bob Bartlett:

Do you have favorite book? In case you have, what is your favorite's book? Book is very important thing for us to learn everything in the world. Each e-book has different aim as well as goal; it means that guide has different type. Some people truly feel enjoy to spend their time for you to read a book. These are reading whatever they get because their hobby is usually reading a book. What about the person who don't like looking at a book? Sometime, individual feel need book once they found difficult problem as well as exercise. Well, probably you will want this A Tale of Seven Elements.

Abram Huffman:

In this 21st millennium, people become competitive in most way. By being competitive today, people have do something to make these survives, being in the middle of the actual crowded place and notice by simply surrounding. One thing that often many people have underestimated the idea for a while is reading. Sure, by reading a reserve your ability to survive boost then having chance to remain than other is high. For yourself who want to start reading a new book, we give you this specific A Tale of Seven Elements book as beginning and daily reading e-book. Why, because this book is usually more than just a book.

Kai Martin:

This book untitled A Tale of Seven Elements to be one of several books that will best seller in this year, this is because when you read this e-book you can get a lot of benefit upon it. You will easily to buy this kind of book in the book retail outlet or you can order it by way of online. The publisher with this book sells the e-book too. It makes you quickly to read this book, because you can read this book in your Smart phone. So there is no reason for your requirements to past this e-book from your list.

Ronald Kleiman:

A Tale of Seven Elements can be one of your basic books that are good idea. Most of us recommend that straight away because this e-book has good vocabulary that will increase your knowledge in language, easy to understand, bit entertaining but nevertheless delivering the information. The article author giving his/her effort to get every word into enjoyment arrangement in writing A Tale of Seven Elements yet doesn't forget the main position, giving the reader the hottest in addition to based confirm resource data that maybe you can be one among it. This great information may drawn you into new stage of crucial contemplating.

Download and Read Online A Tale of Seven Elements Eric Scerri

#B2JE9G14T6U

Read A Tale of Seven Elements by Eric Scerri for online ebook

A Tale of Seven Elements by Eric Scerri Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read A Tale of Seven Elements by Eric Scerri books to read online.

Online A Tale of Seven Elements by Eric Scerri ebook PDF download

A Tale of Seven Elements by Eric Scerri Doc

A Tale of Seven Elements by Eric Scerri Mobipocket

A Tale of Seven Elements by Eric Scerri EPub

A Tale of Seven Elements by Eric Scerri Ebook online

A Tale of Seven Elements by Eric Scerri Ebook PDF