

John Emsley

# Nature's Building Blocks

Emsley

**Nature's Building Blocks**  
*An A-Z Guide to the Elements*

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**An A-Z Guide to the Elements**

"a marvel...sheer delight." Oliver Sacks

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# Natures Building Blocks An A Z Guide To The Elements

**Michael Hoelscher**

## **Natures Building Blocks An A Z Guide To The Elements:**

*Nature's Building Blocks* John Emsley, 2001 Everything we see around us is made of the chemical elements they are Nature's building blocks Our own bodies contain about 30 of them some in abundance some in trace amounts but nevertheless vital to our health and some that are positively harmful The Earth consists of around 90 elements and again some are abundant such as the silicon and oxygen of rocks and soils while some are so rare that they make gold seem cheap yet even these can be part of our everyday life The total number of known elements is now 115 at the last count although most of the 25 new elements that have been synthesized in the past half century have existed for less than a day Some however have accumulated until they now threaten the environment *Nature's Building Blocks* explains the what why and wherefore of the chemical elements Arranged alphabetically from Actinium to Zirconium it is a complete guide to all 115 of those that are currently known and especially those which comprise everything we encounter in our everyday life The entry on each element reveals where it came from what role it may have in the human body and the foods that contain it There are also sections on its discovery its part in human health or illness the uses and misuses to which it is put and its environmental role A list of the main scientific data and outline properties are given for every element and the section ends with an Element of Surprise which highlights some unexpected way in which each element impinges on our everyday life

**Nature's Building Blocks** John Emsley, 2011-08-25 John Emsley's *Nature's Building Blocks* 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 element's 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 roentgenium 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 quite 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 information

*Nature's Building Blocks* John Emsley, 2011-08-25 John Emsley's *Nature's Building Blocks* 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 element's 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

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**The Elements** Jack Challoner, 2020-02-04 What links the Taj Mahal and our skeleton Calcium The Eiffel Tower and our blood Iron The salt on our chips and the street lamps that guide us home Sodium The elements make up everything and this book is the perfect guide to every one of them **Resources in Education**, 1997 **Arts Digest**, 1979 **Farmers' Guide**, 1905 *The Capital*, 1899 *Social Organizations* István Szentpéteri, 1986

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