



# Elements: A Visual Exploration of Every Known Atom in the Universe

By Theodore Gray

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**Elements: A Visual Exploration of Every Known Atom in the Universe** By Theodore Gray

***The Elements* has become an international sensation, with over one million copies in-print worldwide.**

The highly-anticipated paperback edition of *The Elements* is finally available.

An eye-opening, original collection of gorgeous, never-before-seen photographic representations of the 118 elements in the periodic table.

The elements are what we, and everything around us, are made of. But how many elements has anyone actually seen in pure, uncombined form? *The Elements* provides this rare opportunity. Based on seven years of research and photography, the pictures in this book make up the most complete, and visually arresting, representation available to the naked eye of every atom in the universe. Organized in order of appearance on the periodic table, each element is represented by a spread that includes a stunning, full-page, full-color photograph that most closely represents it in its purest form. For example, at -183°C, oxygen turns from a colorless gas to a beautiful pale blue liquid.

Also included are fascinating facts, figures, and stories of the elements as well as data on the properties of each, including atomic weight, density, melting and boiling point, valence, electronegativity, and the year and location in which it was discovered. Several additional photographs show each element in slightly altered forms or as used in various practical ways. The element's position on the periodic table is pinpointed on a mini rendering of the table and an illustrated scale of the element's boiling and/or melting points appears on each page along with a density scale that runs along the bottom.

Packed with interesting information, this combination of solid science and stunning artistic photographs is the perfect gift book for every sentient creature in the universe.

Includes a tear-out poster of Theodore Gray's iconic Photographic Periodic

Table!

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## **Elements: A Visual Exploration of Every Known Atom in the Universe** By Theodore Gray **Bibliography**

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### Editorial Review

From [Booklist](#)

Gray, an element collector and Popular Science columnist, has created a visual homage to the periodic table of the elements. The book begins with an introduction to the arrangement of the periodic table. The first 100 of the elements are each profiled on a two-page spread. The left-hand side of the spread features a large color image of the element in its true form, when possible. The right-hand side includes various images of ways the element appears in the world and explanations of some of the compounds in which it can be found. For example, the Selenium entry includes images of selenium sulfide medicated shampoo, Brazil nuts (which are high in selenium), and a red vase that gets its color from a selenium glaze. Most of the images are items from the author's personal collection. A column running down the right-hand page offers information on the element's location in the periodic table and its atomic weight, density, atomic radius, and crystal structure in addition to charts portraying its electron order filling, atomic emission spectrum, and states of matter at various temperatures. Because of their instability and short half-life, or because they have not yet been discovered, elements 101 through 118 are presented in two groups of nine. The volume concludes with a brief bibliography and an index in addition to a foldout poster of the periodic table. This eye-catching book is certain to appeal to students and casual browsers alike. --Maren Ostergard

### Review

Praise for *The Elements*:

"I don't know if this is the first coffee-table book paying lush photographic homage to the periodic table, but it is certainly the most gorgeous one I've seen." —John Tierney, *The New York Times*

"The Elements is a loving reimagination of the classic table." —Wired

"Gray's trademark dry wit and historical anecdotes bring even the most basic lumps to life." —*Popular Science*

"A great mix of science and art." —*Discover*

### About the Author

**Theodore Gray** is the author of *The Elements: A Visual Exploration of Every Known Atom in the Universe*; *Theo Gray's Mad Science: Experiments You Can Do At Home, But Probably Shouldn't*; *Mad Science 2: Experiments You Can Do At Home, But Still Probably Shouldn't*; and *Popular Science* magazine's "Gray Matter" column. With his company Touch Press, Gray is the developer of best-selling iPad and iPhone apps, including *The Elements*, *Solar System*, *Disney Animated*, *The Orchestra*, *The Waste Land*, and *Skulls* by Simon Winchester. He lives in Urbana, Illinois.

**Nick Mann** is the photographer of *The Elements: A Visual Exploration of Every Known Atom in the Universe*. Aside from having photographed more elements and compounds than probably anyone in the

world, he is an accomplished landscape, sports, and event photographer. He lives in Urbana, Illinois.

## **Users Review**

### **From reader reviews:**

#### **Evelina Lewis:**

This Elements: A Visual Exploration of Every Known Atom in the Universe book is just not ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book is definitely information inside this reserve incredible fresh, you will get info which is getting deeper you actually read a lot of information you will get. This specific Elements: A Visual Exploration of Every Known Atom in the Universe without we understand teach the one who reading it become critical in considering and analyzing. Don't possibly be worry Elements: A Visual Exploration of Every Known Atom in the Universe can bring when you are and not make your case space or bookshelves' come to be full because you can have it within your lovely laptop even mobile phone. This Elements: A Visual Exploration of Every Known Atom in the Universe having good arrangement in word along with layout, so you will not truly feel uninterested in reading.

#### **Sylvia Langley:**

The knowledge that you get from Elements: A Visual Exploration of Every Known Atom in the Universe could be the more deep you rooting the information that hide inside words the more you get enthusiastic about reading it. It does not mean that this book is hard to understand but Elements: A Visual Exploration of Every Known Atom in the Universe giving you thrill feeling of reading. The article writer conveys their point in particular way that can be understood simply by anyone who read it because the author of this guide is well-known enough. This specific book also makes your personal vocabulary increase well. So it is easy to understand then can go to you, both in printed or e-book style are available. We advise you for having this Elements: A Visual Exploration of Every Known Atom in the Universe instantly.

#### **Garnet Veach:**

A lot of people always spent their particular free time to vacation or maybe go to the outside with them household or their friend. Are you aware? Many a lot of people spent they free time just watching TV, as well as playing video games all day long. If you wish to try to find a new activity that is look different you can read the book. It is really fun for you. If you enjoy the book which you read you can spent the whole day to reading a guide. The book Elements: A Visual Exploration of Every Known Atom in the Universe it is rather good to read. There are a lot of people who recommended this book. We were holding enjoying reading this book. If you did not have enough space to bring this book you can buy the actual e-book. You can m0ore very easily to read this book from the smart phone. The price is not too costly but this book provides high quality.

#### **Richard Sauls:**

Elements: A Visual Exploration of Every Known Atom in the Universe can be one of your beginner books

that are good idea. We all recommend that straight away because this reserve has good vocabulary that can increase your knowledge in words, easy to understand, bit entertaining but delivering the information. The author giving his/her effort to get every word into satisfaction arrangement in writing Elements: A Visual Exploration of Every Known Atom in the Universe yet doesn't forget the main position, giving the reader the hottest and also based confirm resource info that maybe you can be one among it. This great information can drawn you into brand new stage of crucial considering.

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