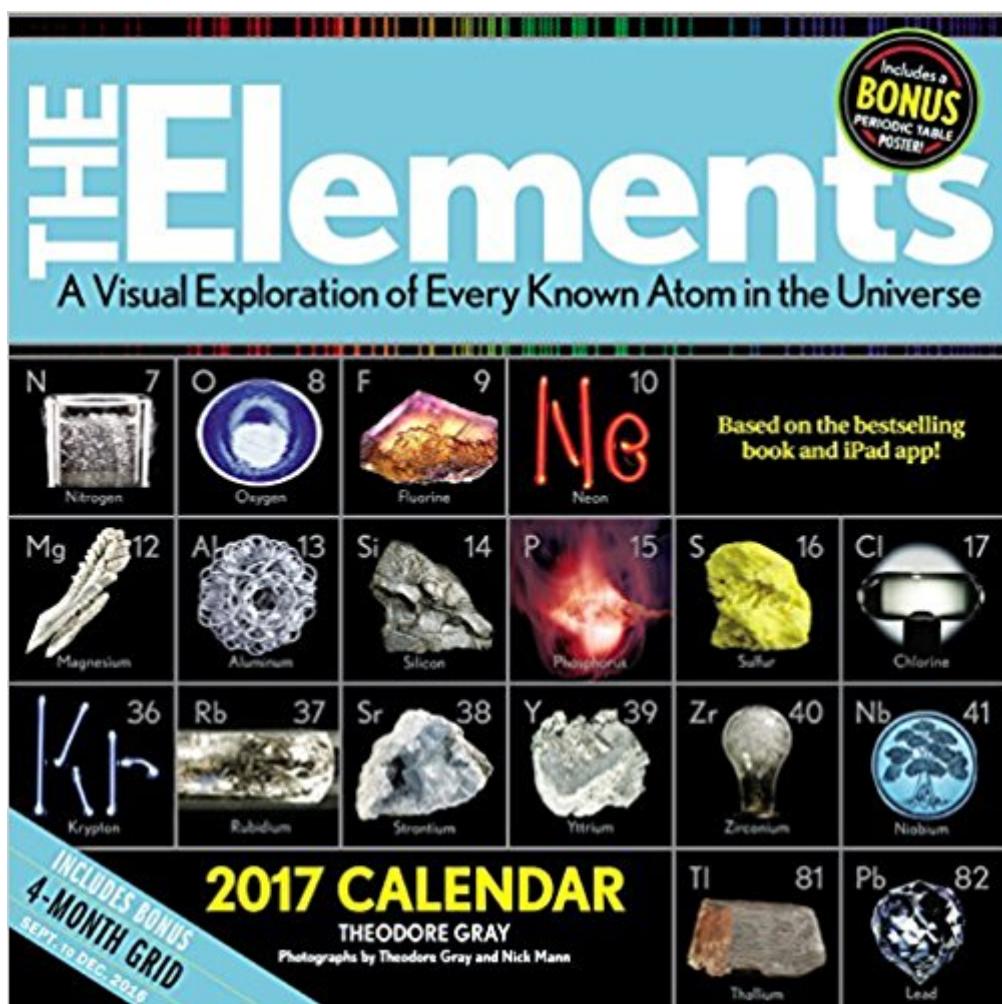


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# Elements 2017 Calendar: A Visual Exploration Of Every Known Atom In The Universe



## Synopsis

Every month in this stunning 12-month wall calendar shows a big beautiful photograph of a featured element and gives information and interesting anecdotes about the history and use of the element. Featured elements in the 2017 calendar include cesium (55), sulfur (16), iron (26), oxygen (8), scandium (21), yttrium (39), germanium (32), gold (79), technetium (43), lanthanum (57), tungsten (74), and ruthenium (44). Smaller images of compounds are featured within the monthly grid and show the element's every-day use. Monthly grids include important dates in chemical history, as well as major North American, British, Australian and New Zealand holidays. As well as the monthly phases of the moon.

## Book Information

Calendar: 24 pages

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Average Customer Review: 4.8 out of 5 starsÂ  See all reviewsÂ  (699 customer reviews)

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## Customer Reviews

The Elements is a photographic tour de force of items from Theo Gray's personal collection of element samples. If he were to put on a museum show or do a PBS series, this would be the companion book. It is a beautiful book, with excellent photography and very high resolution printing on a semi-matte black paper which gives the pictures a floating-in-space quality. About my only gripe is that this is the sort of paper that tends to absorb oil from your fingers and acquire permanent fingerprints, so one has to take a bit of care to keep it looking nice. The bulk of the book consists of a two-page spread for each of elements 1 through 100. The left hand side of each spread will be a full-page image, typically of the element in its native mineral or a refined form, or some object constructed of the material etc. The right hand page contains a few paragraphs of interesting information/trivia about the element, as well as several images of items from the author's collection

of objects made of, containing, or otherwise related to it. For each there are also some pertinent facts such as its position in the periodic table, and diagrams of the atomic emission spectrum, the melting and boiling points, electron order filling, crystal structure, and some basic numerical facts of atomic weight, density, and radius. There's also some introductory material and additional discussion of elements 101-118. This is not a formal reference work in any sense. It's a picture book along with interesting trivia and information. But it is also a fabulously entertaining tour of the elements that make up our world, and it's an absolute joy to curl up with and browse through. A very satisfying thing to possess.

The Elements by Theodore Gray is a must-have book for anyone who has ever wondered just what exactly the world is made of. That includes curious kids as well as adults with even a passing interest in nature, science and technology. The luscious photographs in this coffee table size book will captivate even young elementary students, while the surprising, witty, non-technical text will keep even professional chemists and engineers entertained and informed. I opened my newly received copy late at night, intending to look at a few pages before bed. I literally could not put it down, and read it straight through from hydrogen to element 118, so newly discovered it doesn't even have a name yet. Each element's vignette smoothly segues into the next, so it works like an old radio serial melodrama - you just have to keep reading to find out what happens next! Each element is covered in its order in the periodic table. Along with the multiple photos of pure elements and common (matches and nails) and exotic (atomic clocks and lasers) things containing them from Gray's extensive museum quality collection, you will learn trivia about ones you know well (aluminum, a metal so precious that Napoleon preferred it to gold for VIP dinnerware, is now thrown in the garbage after wrapping sandwiches); ones you might remember from high school (poisonous bromine is in every can of Orange Crush); and ones you probably never heard of (you are required by law to put radioactive americium in every one of your children's bedrooms, and you have!) Lovely diagrams show the electronic configuration, color spectrum and crystal shape. Melting and boiling point bars at the page margins cleverly form a graphic demonstration of the elements' periodic properties when the book is fanned open.

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