

## The Periodic Table Of Elements Coloring Book

Antimony, Gold, and Jupiter's Wolf Draw the Periodic Table of the Elements from Memory The Periodic Table The Periodic Table The Periodic Table Exploring the Elements The Periodic Table A Guide to the Elements Wonderful Life with the Elements Elements Periodic Table of Spiritual Elements The Lost Elements Superheavy Amber's Atoms Display Periodic Table of Elements The Disappearing Spoon The Principles of Chemistry Elements and the Periodic Table, Grades 5 - 8 The Periodic Table The Mathematics of the Periodic Table Mystery of the Periodic Table The Periodic Table: A Very Short Introduction The Periodic Table Book The Periodic Table: Nature's Building Blocks The Periodic Table An Introduction to the Periodic Table of Elements : Chemistry Textbook Grade 8 | Children's Chemistry Books Elements and the Periodic Table The Periodic Table The Periodic Table of Elements Coloring Book The Elements The Periodic Table Periodic Tales Periodic Table, The: Past, Present, And Future Molecules The Elements A World From Dust Elemental The Visual Elements Periodic Table Data Sheet The Periodic Table Memorize the Periodic Table

### Antimony, Gold, and Jupiter's Wolf

Do you know what the Periodic Table of Elements is? If you don't, then you're in luck because we will give you a quick but very critical overview! This educational reference will make a great addition to your child's study collection. It can also be used as reviewer, depending on what your child needs. Go ahead and grab a copy today!

### Draw the Periodic Table of the Elements from Memory

If you want to understand how our world works, the periodic table holds the answers. When the seventh row of the periodic table of elements was completed in June 2016 with the addition of four final elements—nihonium, moscovium, tennessine, and oganesson—we at last could identify all the ingredients necessary to construct our world. In *Elemental*, chemist and science educator Tim James provides an informative, entertaining, and quirkily illustrated guide to the table that shows clearly how this abstract and seemingly jumbled graphic is relevant to our day-to-day lives. James tells the story of the periodic table from its ancient Greek roots, when you could count the number of elements humans were aware of on one hand, to the modern alchemists of the twentieth and twenty-first centuries who have used nuclear chemistry and physics to generate new elements and complete the periodic table. In addition to this, he answers questions such as: What is the chemical symbol for a human? What would happen if all of the elements were mixed together? Which liquid can teleport through walls? Why is the medieval dream of transmuting lead into gold now a reality? Whether you're studying the periodic table for the first time or are simply interested in the fundamental building blocks of the universe—from the core of the sun

to the networks in your brain—Elemental is the perfect guide.

## **The Periodic Table**

Science meets design in this comprehensive introduction to the chemical elements that make up our universe. This artful and accessible guide to the periodic table -- the ultimate reference tool for scientists worldwide -- names all 118 chemical elements and helps young readers understand the remarkable ways we have learned to use them. Graphically stunning layouts feature each element's letter symbol and atomic number, exploring its attributes, characteristics, uses, and interesting stories behind its discovery. Complete with a comprehensive introduction, conclusion, and glossary, this is the perfect introduction to chemistry for inquisitive minds. Ages 8-14

## **The Periodic Table**

Based on the stunning Visual Elements images created by Murray Robertson, this data sheet is an eye-catching mine of information on the chemical elements.

## **The Periodic Table**

That fossilized chart on every classroom wall — isn't that The Periodic Table? Isn't that what MendeléeV devised about a century ago? No and No. There are many ways of organizing the chemical elements, some of which are thought-provoking, and which reveal philosophical challenges. Where does hydrogen 'belong'? Can an element occupy more than one location on the chart? Which are the Group 3 elements? Is aluminum in the wrong place? Why is silver(I) like thallium(I)? Why is vanadium like molybdenum? Why does gold form an auride ion like a halide ion? Does an atom 'know' if it is a non-metal or metal? Which elements are the 'metalloids'? Which are the triels? So many questions! In this stimulating and innovative book, the Reader will be taken on a voyage from the past to the present to the future of the Periodic Table. This book is unique. This book is readable. This book is thought-provoking. It is a multi-dimensional examination of patterns and trends among the chemical elements. Every reader will discover something about the chemical elements which will provoke thought and a new appreciation as to how the elements relate together.

## **Exploring the Elements**

Profiles every element on the periodic table and describes their properties, when they were discovered, and how they are used in household materials.

## **The Periodic Table**

One of Italy's leading men of letters, a chemist by profession, writes about incidents in his life in which one or another of the elements figured in such a way as to become a personal preoccupation

## **A Guide to the Elements**

A coloring book to familiarize the user with the Primary elements in the Periodic Table. The Periodic Table Coloring Book (PTCB) was received worldwide with acclaim. It is based on solid, proven concepts. By creating a foundation that is applicable to all science ("Oh yes, Hydrogen, I remember coloring it, part of water, it is also used as a fuel; I wonder how I could apply this to the vehicle engine I am studying") and creating enjoyable memories associated with the elements science becomes accepted. These students will be interested in chemistry, engineering and other technical areas and will understand why those are important because they have colored those elements and what those elements do in a non-threatening environment earlier in life.

## **Wonderful Life with the Elements**

The iconic Periodic Table of the Elements is probably in its most satisfactory, elegant form it will ever have. This is because all the "gaps" corresponding to missing elements in the seventh row, or period, have recently been filled and the elements named. But where do these names come from? For some (usually the most recent), the origins are quite obvious, such as germanium or californium, but for others - even the well-known elements, such as oxygen or nitrogen - their roots are less clear. Here, Peter Wothers explores the fascinating and often surprising stories behind how the chemical elements received their names. Delving back in time to explore the history and gradual development of chemistry, he sifts through medieval manuscripts for clues to the stories surrounding the discovery of the elements, showing how they were first encountered or created, and how they were used in everyday lives. As he reveals, the oldest-known elements were often associated with astronomical bodies, and the connections with the heavens influenced the naming of a number of elements. Following this, a number of elements, including hydrogen and oxygen, were named during the great reform of chemistry, set amidst the French revolution. Whilst some of the origins of the names were controversial (and, indeed incorrect - some saying, for instance, that oxygen might be literally taken to mean "the son of a vinegar merchant"), they have nonetheless influenced the language used throughout the world to this very day. Throughout, Wothers delights in dusting off the original sources, and bringing to light the astonishing, the unusual, and the downright weird origins behind the names of the elements we take for granted today.

## Elements

### Periodic Table of Spiritual Elements

In the mid-nineteenth century, chemists came to the conclusion that elements should be organized by their atomic weights. However, the atomic weights of various elements were calculated erroneously, and chemists also observed some anomalies in the properties of other elements. Over time, it became clear that the periodic table as currently comprised contained gaps, missing elements that had yet to be discovered. A rush to discover these missing pieces followed, and a seemingly endless amount of elemental discoveries were proclaimed and brought into laboratories. It wasn't until the discovery of the atomic number in 1913 that chemists were able to begin making sense of what did and what did not belong on the periodic table, but even then, the discovery of radioactivity convoluted the definition of an element further. Throughout its formation, the periodic table has seen false entries, good-faith errors, retractions, and dead ends; in fact, there have been more elemental discoveries" that have proven false than there are current elements on the table. The Lost Elements: The Shadow Side of Discovery collects the most notable of these instances, stretching from the nineteenth century to the present. The book tells the story of how scientists have come to understand elements, by discussing the failed theories and false discoveries that shaped the path of scientific progress. Chapters range from early chemists' stubborn refusal to disregard alchemy as legitimate practice, to the effects of the atomic number on discovery, to the switch in influence from chemists to physicists, as elements began to be artificially created in the twentieth century. Along the way, Fontani, Costa, and Orna introduce us to the key figures in the development of the periodic table as we know it. And we learn, in the end, that this development was shaped by errors and gaffs as much as by correct assumptions and scientific conclusions."

### The Lost Elements

### Superheavy

### Amber's Atoms

Offers a comprehensive overview of the periodic table, exploring the importance of both the periodic table and the elements themselves as well as how the elements have been interpreted by chemists and philosophers throughout history.

## **Display Periodic Table of Elements**

From New York Times bestselling author Sam Kean comes incredible stories of science, history, finance, mythology, the arts, medicine, and more, as told by the Periodic Table. Why did Gandhi hate iodine (I, 53)? How did radium (Ra, 88) nearly ruin Marie Curie's reputation? And why is gallium (Ga, 31) the go-to element for laboratory pranksters? \*The Periodic Table is a crowning scientific achievement, but it's also a treasure trove of adventure, betrayal, and obsession. These fascinating tales follow every element on the table as they play out their parts in human history, and in the lives of the (frequently) mad scientists who discovered them. THE DISAPPEARING SPOON masterfully fuses science with the classic lore of invention, investigation, and discovery--from the Big Bang through the end of time. \*Though solid at room temperature, gallium is a moldable metal that melts at 84 degrees Fahrenheit. A classic science prank is to mold gallium spoons, serve them with tea, and watch guests recoil as their utensils disappear.

## **The Disappearing Spoon**

Which is the densest element? Which has the largest atoms? And why are some elements radioactive? From the little-known uses of gold in medicine to the development of the hydrogen bomb, this is a fresh new look at the Periodic Table. Combining cutting edge science with fascinating facts and stunning infographics, this book looks at the extraordinary stories of discovery, amazing properties and surprising uses of each elements, whether solid, liquid or gas - naturally occurring, synthesised or theoretical! From hydrogen to oganesson, this is a fact-filled visual guide to each element, each accompanied by technical data (category, atomic number, weight, boiling point) as well as fun facts and stories about their discovery and surprising uses.

## **The Principles of Chemistry**

The best picture book to introduce science to children of all ages who love puppies. With rhyming riddles and artful illustrations, it inspires little tykes through teenagers to learn about the elements and the world of atoms. Even parents enjoy learning something new.

## **Elements and the Periodic Table, Grades 5 - 8**

From its beginnings in the mysterious experiments of the medieval alchemists to its newest additions discovered during the atomic age, the periodic table has remained an astonishing tool for understanding the basic building blocks of the universe. This guide helps you learn why the table is a chemist's best friend, and what the table reveals.

## The Periodic Table

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  $-183^{\circ}\text{C}$ , 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!

## The Mathematics of the Periodic Table

Memorize the Periodic Table: The Fast and Easy Way to Memorize Chemical Elements If you have a chemistry exam tomorrow, thank goodness you're here. This book will help you memorize the entire periodic table in the fastest and easiest way possible. Would you like to remember the name of every single chemical element? And know their atomic numbers too? If you've ever watched someone memorize a deck of playing cards in minutes, and dreamed about what you could do with a memory like that - your dreams are about to come true. The 'secret' to memorizing is visualization and association. This book will tell you exactly what to visualize so you can memorize every element in the periodic table. This is not a 'How to' guide that teaches you a method. We've done all the work for you. This book takes the techniques used by memory experts - like Tony Buzan, Harry Lorayne, or even techniques you may have read about in "Moonwalking with Einstein" - and describes mental images and stories to help you memorize the periodic table. 'Memorize the Periodic Table' takes advantage of the astonishing memory you already have. It's amazing more people don't use this easy technique and still persist with repetition to memorize the periodic table. They must have plenty of time to burn. After reading this book, you will: - Be able to recite the names of all the chemical elements in order - Know the atomic numbers for each element - Be

astonished at your own memory - Have a lot of leftover study time The authors describe precisely what mental pictures you should visualize to remember each chemical element, and link it in your mind with the next element. If you've always hated repetition and rote learning, you are going to love this book. This quick and easy read will have you memorizing the names of chemical elements straight away, and you'll be filled with excitement as you realize how simple memorizing the periodic table can actually be. Buy this book now and recite the periodic table tomorrow.

### **Mystery of the Periodic Table**

Presents the basic concepts of chemistry and explains complex theories before offering a separate article on each of the building blocks that make up the universe.

### **The Periodic Table: A Very Short Introduction**

Describes how the periodic table was created and explains the arrangement and properties of elements within the table.

### **The Periodic Table Book**

Examines the history and importance of the periodic table, which provides a framework for classifying and comparing the many different forms of chemical behavior.

### **The Periodic Table: Nature's Building Blocks**

Shortlisted for the 2020 AAAS/Subaru SB&F Prize for Excellence in Science Books Creating an element is no easy feat. It's the equivalent of firing six trillion bullets a second at a needle in a haystack, hoping the bullet and needle somehow fuse together, then catching it in less than a thousandth of a second – after which it's gone forever. Welcome to the world of the superheavy elements: a realm where scientists use giant machines and spend years trying to make a single atom of mysterious artefacts that have never existed on Earth. From the first elements past uranium and their role in the atomic bomb to the latest discoveries stretching our chemical world, Superheavy will reveal the hidden stories lurking at the edges of the periodic table. Why did the US Air Force fly planes into mushroom clouds? Who won the transactinoid wars? How did an earthquake help give Japan its first element? And what happened when Superman almost spilled nuclear secrets? In a globe-trotting adventure that stretches from the United States to Russia, Sweden to Australia, Superheavy is your guide to the amazing science filling in the missing pieces of the periodic table. By the end you'll not only marvel at how nuclear science has changed our lives – you'll wonder where it's going to take us in the future.

## **The Periodic Table**

The periodic table of elements, first encountered by many of us at school, provides an arrangement of the chemical elements, ordered by their atomic number, electron configuration, and recurring chemical properties, and divided into periodic trends. In this Very Short Introduction Eric R. Scerri looks at the trends in properties of elements that led to the construction of the table, and shows how the deeper meaning of the table's structure gradually became apparent with the development of atomic theory and, in particular, quantum mechanics, which underlies the behaviour of all of the elements and their compounds. This new edition, publishing in the International Year of the Periodic Table, celebrates the completion of the seventh period of the table, with the ratification and naming of elements 113, 115, 117, and 118 as nihonium, moscovium, tennessine, and oganesson. Eric R. Scerri also incorporates new material on recent advances in our understanding of the origin of the elements, as well as developments concerning group three of the periodic table. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

## **An Introduction to the Periodic Table of Elements : Chemistry Textbook Grade 8 | Children's Chemistry Books**

Aligned to Common Core State Standards, Elements and the Periodic Table present the basics of the Periodic Table in an easy-to-understand, easy-to-master way! It contains fun activities, transparency masters, quizzes, tests, rubrics, grading sheets, and more. From basic elements to table organization, Elements and the Periodic Table is the essential handbook for middle-school science!

## **Elements and the Periodic Table**

The Periodic Table effectively embraces the whole realm of chemistry within the confines of one comparatively simple and easily understood chart of the chemical elements. Over many years the Periodic Table has proven to be indispensable not only to chemists of all kinds but also to a host of other scientists, including biologists, geologists and physicists. It is thus hardly surprising that the Periodic Table has become one of our most celebrated contemporary scientific icons. In the present work various aspects of the Periodic Table that are seldom if ever featured elsewhere are given prominence. The twelve presentations contained herein all have a mathematical flavour because it is the intention to highlight the often-neglected mathematical features of the Periodic Table and several closely related topics. The book starts out by considering

predictions of what the ultimate size of the Periodic Table will be when all of the possible artificial chemical elements have been synthesised. It then moves on to an examination of the nature of the periodicity extant in the Periodic Table and some methods for the prediction of the properties of the super-heavy elements. The Periodic Table is next explored in various dimensions other than two. The natural clustering of the elements into groups is studied by three different but complementary routes, namely via the topological structures of the groups, the self-association of the elements as evidenced by neural network studies, and information theoretical analysis of the behaviour of atoms. Following a detailed investigation of the mathematical basis for the periodicity seen in atomic and molecular spectroscopy, three separate presentations delve into many different aspects of the group-theoretical structure of the Periodic Table. The unusual combination of themes offered here will appeal to all who seek a more detailed and intimate knowledge of the Periodic Table than that available in standard texts on the subject.

### **The Periodic Table**

The periodic table of elements is among the most recognizable image in science. It lies at the core of chemistry and embodies the most fundamental principles of science. In this new edition, Eric Scerri offers readers a complete and updated history and philosophy of the periodic table. Written in a lively style to appeal to experts and interested lay-persons alike, *The Periodic Table: Its Story and Its Significance* begins with an overview of the importance of the periodic table and the manner in which the term "element" has been interpreted by chemists and philosophers across time. The book traces the evolution and development of the periodic table from its early beginnings with the work of the precursors like De Chancourtois, Newlands and Meyer to Mendeleev's 1869 first published table and beyond. Several chapters are devoted to developments in 20th century physics, especially quantum mechanics and the extent to which they explain the periodic table in a more fundamental way. Other chapters examine the formation of the elements, nuclear structure, the discovery of the last seven infra-uranium elements, and the synthesis of trans-uranium elements. Finally, the book considers the many different ways of representing the periodic system and the quest for an optimal arrangement.

### **The Periodic Table of Elements Coloring Book**

Looking at the periodic table can be a bit daunting how can you possibly remember what 118 different elements do? The Periodic Table takes a new approach to this important science topic by offering a fully visual guide to the elements. Featuring eye-popping photography and an enormous wealth of cool facts, this is the only book you'll need to help you learn about the basic building blocks that make up everything in our world.

### **The Elements**

Designed to make learning chemistry much easier and a whole lot more fun, these elements show you the periodic table as you have never seen it before. Every element in this engaging little book is a specially created character with its own unique personality.

### **The Periodic Table**

Leads the reader on a delightful and absorbing journey through the ages, on the trail of the elements of the Periodic Table as we know them today. He introduces the young reader to people like Von Helmont, Boyle, Stahl, Priestly, Cavendish, Lavoisier, and many others, all incredibly diverse in personality and approach, who have laid the groundwork for a search that is still unfolding to this day. The first part of Wiker's witty and solidly instructive presentation is most suitable to middle school age, while the later chapters are designed for ages 12-13 and up, with a final chapter somewhat more advanced. Illustrated by Jeanne Bendick and Ted Schluenderfritz.

### **Periodic Tales**

A World From Dust describes how a set of chemical rules combined with the principles of evolution in order to create an environment in which life as we know it could unfold. Beginning with simple mathematics, these predictable rules led to the advent of the planet itself, as well as cells, organs and organelles, ecosystems, and increasingly complex life forms. McFarland provides an accessible discussion of a geological history as well, describing how the inorganic matter on Earth underwent chemical reactions with air and water, allowing for life to emerge from the world's first rocks. He traces the history of life all the way to modern neuroscience, and shows how the bioelectric signals that make up the human brain were formed. Most popular science books on the topic present either the physics of how the universe formed, or the biology of how complex life came about; this book's approach would be novel in that it condenses in an engaging way the chemistry that links the two fields. This book is an accessible and multidisciplinary look at how life on our planet came to be, and how it continues to develop and change even today. This book includes 40 illustrations by Gala Bent, print artist and studio faculty member at Cornish College of the Arts, and Mary Anderson, medical illustrator.

### **Periodic Table, The: Past, Present, And Future**

### **Molecules**

The Periodic Table: Nature's Building Blocks: An Introduction to the Naturally Occurring Elements, Their Origins and Their

## Read Book The Periodic Table Of Elements Coloring Book

Uses addresses how minerals and their elements are used, where the elements come from in nature, and their applications in modern society. The book is structured in a logical way using the periodic table as its outline. It begins with an introduction of the history of the periodic table and a short introduction to mineralogy. Element sections contain their history, how they were discovered, and a description of the minerals that contain the element. Sections conclude with our current use of each element. Abundant color photos of some of the most characteristic minerals containing the element accompany the discussion. Ideal for students and researchers working in inorganic chemistry, mineralogy and geology, this book provides the foundational knowledge needed for successful study and work in this exciting area. Describes the link between geology, minerals and chemistry to show how chemistry relies on elements from nature Emphasizes the connection between geology, mineralogy and daily life, showing how minerals contribute to the things we use and in our modern economy Contains abundant color photos of each mineral that bring the periodic table to life

### **The Elements**

The Periodic Table of Spiritual Elements is a healing and transformational tool. It contains fifty-two separate elements in a Tree of Life motif. When applied and practiced in daily life, the intention is that Elements will contribute to spiritual growth and perhaps some kind of awakening. There is no one right way to use the Table. Each of us have our own path. By using the Table we can possibly discover the elements that we need to further explore and work on. The Table is intended to pique interest in the elements outlined. It is intended for people to see it and ask themselves: What is this all about? Why are these elements included? What the heck is that one? Why does something I value seem to be excluded? How do these all fit together? It is designed to elicit spiritual inquiry, self-examination of one's spiritual belief system so that interested persons may make greater effort and exploration to define their own. The Spiritual Elements are intended to be explored with a general assumption that we are all inherently Divine within and that there is no single recipe which might allow its revelation and all the benefits that flow from that. We have to find our unique alchemy for transformation. We have to do our spiritual work. The Periodic Table of Spiritual Elements is a one-of-a-kind roadmap and reference tool designed to support that work. Each Element is discussed in a chapter along with its Alchemy with other Elements, Practices that support it and Mantras which help bring it forth.

### **A World From Dust**

The Periodic Table Book is the perfect visual guide to the chemical elements that make up our world. This eye-catching encyclopedia takes children on a visual tour of the 118 chemical elements of the periodic table, from argon to zinc. It explores the naturally occurring elements, as well as the man-made ones, and explains their properties and atomic structures. Using more than 1,000 full-colour photographs, The Periodic Table Book shows the many natural forms of each

element, as well as a wide range of both everyday and unexpected objects in which it is found, making each element relevant for the child's world.

### **Elemental**

In his highly anticipated sequel to *The Elements*, Theodore Gray demonstrates how the elements of the periodic table combine to form the molecules that make up our world. Everything physical is made up of the elements and the infinite variety of molecules they form when they combine with each other. In *Molecules*, Theodore Gray takes the next step in the grand story that began with the periodic table in his best-selling book, *The Elements: A Visual Exploration of Every Known Atom in the Universe*. Here, he explores through fascinating stories and trademark stunning photography the most interesting, essential, useful, and beautiful of the millions of chemical structures that make up every material in the world. Gray begins with an explanation of how atoms bond to form molecules and compounds, as well as the difference between organic and inorganic chemistry. He then goes on to explore the vast array of materials molecules can create, including: soaps and solvents; goops and oils; rocks and ores; ropes and fibers; painkillers and dangerous drugs; sweeteners; perfumes and stink bombs; colors and pigments; and controversial compounds including asbestos, CFCs, and thimerosal. 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.

### **The Visual Elements Periodic Table Data Sheet**

From the brilliant mind of Japanese artist Bunpei Yorifuji comes *Wonderful Life with the Elements*, an illustrated guide to the periodic table that gives chemistry a friendly face. In this super periodic table, every element is a unique character whose properties are represented visually: heavy elements are fat, man-made elements are robots, and noble gases sport impressive afros. Every detail is significant, from the length of an element's beard to the clothes on its back. You'll also learn about each element's discovery, its common uses, and other vital stats like whether it floats—or explodes—in water. Why bother trudging through a traditional periodic table? In this periodic paradise, the elements are people too. And once you've met them, you'll never forget them.

## The Periodic Table

As one of the most recognizable images in science, the periodic table is ingrained in our culture. First drawn up in 1869 by Dmitri Mendeleev, its 118 elements make up not only everything on our planet but also everything in the entire universe. The Periodic Table looks at the fascinating story and surprising uses of each of those elements, whether solid, liquid or gas. From the little-known uses of gold in medicine to the development of the hydrogen bomb, each entry is accompanied by technical data (category, atomic number, weight, boiling point) presented in easy-to-read headers, and a colour coding system that helps the reader to navigate through the different groups of elements. A remarkable display of thought-provoking science and beautiful photography, this guide will allow the reader to discover the world afresh.

## Memorize the Periodic Table

'The history, science, art, literature and everyday applications of all the elements from aluminium to zinc' The Times  
Everything in the universe is made of them, including you. Like you, the elements have personalities, attitudes, talents, shortcomings, stories rich with meaning. Here you'll meet iron that rains from the heavens and noble gases that light the way to vice. You'll learn how lead can tell your future while zinc may one day line your coffin. You'll discover what connects the bones in your body with the Whitehouse in Washington, the glow of a streetlamp with the salt on your dinner table. Unlocking their astonishing secrets and colourful pasts, Periodic Tales is a voyage of wonder and discovery, showing that their stories are our stories, and their lives are inextricable from our own. 'Science writing at its best. A fascinating and beautiful literary anthology, bringing them to life as personalities. If only chemistry had been like this at school. A rich compilation of delicious tales' Matt Ridley, Prospect 'A love letter to the chemical elements. Aldersey-Williams is full of good stories and he knows how to tell them well' Sunday Telegraph 'Great fun to read and an endless fund of unlikely and improbable anecdotes' Financial Times

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