

# The Periodic Table

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**The Periodic Table of Wine** Black Dog & Leventhal  
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. An Introduction to the Naturally Occurring Elements, Their Origins and Their Uses Xlibris Corporation  
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.

The Periodic Table Explained Infobase Publishing  
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 date (category, atomic number, weight, boiling point) as well as fun facts and stories about their discovery and surprising uses.

**Elementary** No Starch Press  
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!  
The Periodic Table Personified Abrams Press  
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. Elements with Style! Macmillan

A graphically stunning, comprehensive introduction to the chemical elements that make up our universe for ages 8-14. 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. Wrapped in a double-sided jacket, with the illustrated periodic table printed on the underside, Exploring the Elements is jam-packed with 240 pages of information, including: A comprehensive introduction explaining what elements are and the design and purpose of the periodic table; Each of the 118 elements is visually presented with its respective letter symbol and atomic number, as well as a map of where it's located in the periodic table; Additional details showing where each element is found in the universe (from food on our plates to the center of a star), its unique properties, atomic diagram, secret chemistry, and working examples of how it's used or changing the world; Plus an index, glossary and suggested reading and additional references and Resources. Both a gift book and a practical book, Exploring the Elements is for teachers and librarians, parents and grandparents, the home bookshelf and classroom bookshelf, science enthusiasts and budding scientists of all ages.

Exploring the Elements Pan Macmillan  
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.  
Elements and the Periodic Table, Grades 5 - 8 The Rosen Publishing Group, Inc  
Inorganic chemistry is a core part of the chemistry curricula, though it is often felt to be a huge range of disparate facts that have little underlying organization or reasoning. The periodic table was developed in the latter part of the 19th century, providing an organizing structure which began to explain the underlying principles of inorganic chemistry The Periodic Table at a Glance provides a concise overview of the main principles and reactions of inorganic chemistry, carefully structured around the periodic table, for students studying chemistry and related courses at undergraduate level. Based on the highly successful and student friendly "at a glance" approach, the information is presented in integrated, self contained double page spreads of text and illustrative material, to facilitate the rapid assimilation, understanding and recall of critical concepts, facts and definitions. Students wanting a comprehensive and accessible overview of inorganic chemistry will find this book an ideal source of the information they require. In addition, the structured presentation will provide an invaluable aid to revision for students preparing for examinations.

The Periodic Table Rockridge Press  
A guide to the elements that make up the periodic table, fully explaining their starring role in the world and clearing away any confusion or apprehension that might surround them.  
The Periodic Table Oxford University Press, USA  
The original Basher Science - made even better!  
The Periodic Table of the Elements Mark Twain Media  
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.

And Other True Tales of Madness, Love, and the History of the World from the Periodic Table of the Elements Abrams  
An icon of science, the Periodic Table defines the fundamental chemistry of everything in the universe. In this compact yet comprehensive guide, Dan Green outlines the history, development and workings of the table, shows how its design reflects and illuminates the organisation of all matter, and even explains what it has to tell us about the chemistry of distant stars and of our own bodies. Contents include an individual entry for every known element? detailing properties, uses and key data, and sections on the patterns and groups of the famous table, as well as explanations of basic chemistry concepts such as elements and compounds, atomic structure, chemical bonds, reactions and radioactivity, amongst many others.  
The Periodic Table Everyman's Library  
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.

Wonderful Life with the Elements Springer Nature  
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.

A Visual Exploration of Every Known Atom in the Universe Elsevier  
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.

A Beginner's Guide to the Periodic Table Phaidon jeunesse  
The elements of the periodic table come alive in the first book in a stellar nonfiction comic series by Shiho Pate! From oxygen to hydrogen, carbon to plutonium, Animated Science: Periodic Table makes chemistry come alive! In this book you'll meet the building blocks of you, the world, and the universe and see how they come together to make everything you see, do, and use every day. With a narrative nonfiction text, kid-friendly information, and Shiho Pate's hilarious illustrations, Animated Science: Periodic Table is a perfect introduction and ready reference, appealing and laugh-out-loud funny. Easily accessible for readers just learning the elements, with more interesting facts and details for older kids honing their knowledge. Great for all ages!  
The Periodic Table Bloomsbury Publishing  
All students can learn about the periodic table through text written at four different reading levels. Symbols on the pages represent reading-level ranges to help differentiate instruction. Provided comprehension questions complement the text.

Its Story and Its Significance Mark Twain Media  
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.  
The Periodic Kingdom Teacher Created Materials

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

Basher Science: The Periodic Table Science Masters

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