

The Elements Book A Visual Encyclopedia Of The Periodic Table

Express yourself in a visual journal! With the ideas in this book, you will learn to create mixed media pages that express your soul and create a path to healing, internal freedom, and the sparking of passion. "Visual Journey Journaling" is an innovative artistic method taught by Rakefet Hadar and made up of seven elements: Intention, Magical Coincidence, Background, Images, Lines, Color, and Text. Visual Journey Journaling invites you to a fascinating world where you connect with your hidden inner artist to create "soul pages" using simple techniques and subtle guidelines to take a look inside yourself. Rakefet has taught these methods for many years, guiding even inexperienced artists to find and express the stories within themselves. In the first chapter of the book you will learn how to master the seven elements in your journal. There are many fun exercises and a step-by-step tutorial of how to start a simple journal. Next you will learn how to make a soul page with the seven elements. You will explore a variety of materials and how to work with them to find and create your pages. You will learn to build your journal and how to bind it into a finished book. Throughout the book and in the final section, you'll see and find the meanings in Rakefet's stunning private art journal pages and read her stories behind them.

Journey through the fascinating world of the body with everyone's favorite Cat in the Hat! The Cat in the Hat's Learning Library is a nonfiction picture book series that introduces beginning readers ages 5-8 to important basic concepts. Join the Cat in the Hat, Sally and Dick for a ride through the human body where they visit the right and left sides of the brain, meet the Feletons from far off Fadin (when they stand in the sun you can see through their skin), scuba dive through the blood system, follow food and water through the digestive tract, and a whole lot more! Perfect for readers who are curious about the body and for any kid who loves learning and science. Featuring beloved characters from Dr. Seuss's The Cat in the Hat, the Learning Library are unjacketed hardcover picture books that explore a range of nonfiction topics about the world we live in and include an index, glossary, and suggestions for further reading.

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

The complete visual guide to the elements of architectural design ELEMENTS OF ARCHITECTURAL DESIGN A PHOTOGRAPHIC SOURCEBOOK SECOND EDITION With over 3,000 photographs and illustrations! This book offers quick access to thousands of ideas, terms, and photographs related to the essential elements of architectural design. Comprehensive and easy to use, it combines the best features of a dictionary, photographic guide, and textbook-making information simple to find. It lets you search visually (through the photographs), alphabetically (by index), or by general subject (through chapter headings). Throughout, chapters are arranged to cover different aspects of architectural design, establishing a solid framework that puts information into a physical, historical, and conceptual context. No other reference covers the subject with so much flexibility and from so many perspectives in a single volume. Ideal for long-term use as a study aid or refresher, or as a springboard for design inspiration, Elements of Architectural Design, Second Edition is an essential resource for the desktop. * Traditional and contemporary styles * Work of famous architects * Different building types and uses * Elements of form and composition * Materials and their use in structures * Building components and details * Clear definitions of terms

A guide to graphic design.

If you're wild about animals, this visual encyclopedia is the ultimate page-turner, bringing our planet's creatures together in spectacular style. This inspiring children's reference guide welcomes you to the animal kingdom where you can meet more than 1,500 species, ranging from ants to zebras and everything in between. Stunning pictures bring you face to face with giant predators you know and love, including polar bears and tigers, as well as mysterious microscopic life, including amoebas and bacteria. A variety of animal habitats are shown in beautiful detail, while accessible information, additional fact boxes, and amazing galleries complete the stories. A jaw-dropping spectrum of animal types - from fish and birds to reptiles and mammals - provides a learning experience like no other. Whether you're a budding naturalist or simply want to complete a school project, The Animal Book has got it covered.

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.

Barron's new Visual Learning series breaks down complex science concepts into clear, captivating illustrations for the visual learner! With large, colorful graphics, including maps, diagrams, and labeled illustrations and clear supporting text, Visual Learning: Chemistry is an invaluable resource for readers of all ages who want to learn science in an easy and engaging way. Learn key chemistry topics including: The atom and nucleus Electrons The periodic table of elements Chemical bonding Molecular structure Chemical reactions Solutions, gases, and much more.

Visual Thinking brings the science of perception to the art of design. Designers increasingly need to present information in ways that aid their audience's thinking process. Fortunately, results from the relatively new science of human visual perception provide valuable guidance. In this book, Colin Ware takes what we now know about perception, cognition, and attention and transforms it into concrete advice that designers can directly apply. He demonstrates how designs can be considered as tools for cognition - extensions of the viewer's brain in much the same way that a hammer is an extension of the user's hand. The book includes hundreds of examples, many in the form of integrated text and full-color diagrams. Experienced professional designers and students alike will learn how to maximize the power of the information tools they design for the people who use them. Presents visual thinking as a complex process that can be supported in every stage using specific design techniques Provides practical, task-oriented information for designers and software developers charged with design responsibilities Includes hundreds of examples, many in the form of integrated text and full-color diagrams Steeped in the principles of "active vision, which views graphic designs as cognitive tools

Let the experts at the Royal Botanic Gardens guide you around the beautiful and mysterious world that is the plant kingdom. From regulating the air we breathe to providing food, clothes, fuels, and medicines - plants are fundamental to our lives. Discover an extraordinary diversity of species, which includes a grass that grows a meter a day, roots that breathe air, and "queen of the night" cactuses whose rare blooms vanish before dawn. In a combination of art and science, Flora celebrates plants from majestic trees to microscopic algae, explaining how they germinate, grow, and reproduce. It presents species that have evolved to accommodate pollinating insects such as the foxglove, and plants that have adapted to flourish in even the most hostile of habitats. Pierre-Joseph Redoute in the 18th-century was described as the "Raphael of flowers". Flora showcases his botanical paintings as well as those of Georg Ehret and others in this gorgeous visual celebration of plants through the ages. Whether you are a keen gardener, naturalist, or botany student, this beautiful book is a treat that will entice, inform, and amaze.

Kioko had been watching the matatus come and go for as long as he could remember. But today, for his fifth birthday, he climbs aboard one with his grandfather. As the matatu pulls away from the market, the village dogs chase after them. When Kioko asks his grandfather why the dogs always bark and chase after matatus, his grandfather tells him an entertaining tale about a dog, a goat and a sheep. Set in East Africa, *The Matatu* is a colorful story filled with many unexpected turns and twists along the way.

This book is sure to delight young children with over 185 colorful illustrations and great Master paintings. Lessons capture each child's interests and imagination while introducing the fundamental principles of the visual arts. Parents read a simple ten-minute lesson with their child that includes art appreciation. The topic is pointed out in a full – color work of art by well-known Masters like Rivera, Chagall, De Hooch, Van Gogh and more. This time is followed with a project that allows children to immediately apply their new knowledge of the subject, while creating works of art from their own experiences and observations, making each piece produced personal and unique. The first section covers the activities artists engage in when making art (composing, imagining, looking, etc.,) how to use the materials of an artist (watercolor crayons, pastels, pencil), and the various types of subjects artists work from (landscapes, people, still-life, etc.) Activities broaden children's awareness of the world they live in. The second section of the book covers the elements that artists use in two-dimensional and three-dimensional work such as shape, form, line, and color. The third section is a comprehensive study of ancient art as children are introduced to different kinds of art that we see such as art in caves, pyramids, cathedrals, and more. This section covers early cave paintings and figurines from Jordon to tapestries and book illumination of the Middle Ages. Children's ideas about art are greatly expanded as they learn how ancient cultures used art. The hands-on projects help them remember what materials the culture used or the major ideas of the culture. This book provides lessons for the completion of thirty-six finished drawings, paintings, and sculptures that are both original and wholly the child's own. "The instruction is so well-suited to the book's audience of kindergarten to 3rd graders. Mrs. Ellis uses a conversational style of writing that is so appealing to younger children, yet her curriculum never "talks down" to them nor does it go over their heads!" - Homeschool Parent – Jenny Thompson / Florida

A Visual Language is a practical introduction to the language of the visual arts, with a strong, innovative methodology. This expanded second edition begins with the basics of shape, composition and drawing, and gradually moves on to explore more complex arrangements, including abstract and representational analysis and composition. Building on the principles of visual language established in their last book, the authors now explore three-dimensional forms of increasing complexity. The final chapter of the book is devoted to a selection of sketchbook studies on ten international artists from various different visual disciplines, from architects and animators to painters and performance artists. This section demonstrates practically the methods presented earlier in the book, and helps visual artists to develop skills and confidence in their artistic work. Featuring a large number of new images, this book is essential reading for any artist in any field, regardless of their level, and is the only introduction to the visual arts that a beginner should require.

The classical elements -- The antique metals -- Alchemical elements -- The new metals -- Chemistry golden age -- Electrical discoveries -- The radiant age -- The nuclear age.

This landmark piece of reference publishing offers a reliable, visually stunning, and family-friendly alternative to online information sources. Includes carefully curated content, the pages of this illustrated encyclopedia are designed to be accessible and illuminating to a wide range of readers, and parents and teachers can be confident that children won't see any unwanted content. Featuring accessible and authoritative information, this book is a comprehensive guide to a wide range of human knowledge, and its text is integrated with clear artworks and informative, illuminating photography to bring general knowledge vividly to life. The scope of content in *The Visual Encyclopedia* makes it stand alone as a self-contained family reference guide, and it covers the fields of science, nature, space, history, the arts, technology, leisure, and more. The information is organized thematically to make navigation easy, and clear signposting highlights connections between subjects. Whether you want to find the answer to a question, read about a particular area of interest, or simply browse a range of subjects at leisure, this accessible, family-friendly reference guide offers a trustworthy source of knowledge and enjoyment.

This brief, inexpensive paperback introduces students to the essential techniques and critical terms for analyzing and writing about visual culture. *The Elements of Visual Analysis* combines images, readings, and extensive definitions to develop students' abilities in analyzing two-dimensional and three-dimensional visual artifacts and experience. Designed primarily for courses in composition, rhetoric, and communications, the book will also fit any disciplines interested in engaging in serious analysis of visual phenomena.

LEVEL: Key Stage 3 onwards. Students will delight in the new look and organisation of this classic text. The third edition of *Exploring Visual Design* is simple, easy to use, and filled with captivating colour images. Each chapter is devoted to a single elements or principle of design. Many new features have been added.

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.

Presents photographic representations of the one hundred and eighteen elements in the period table, along with facts, figures and stories about each one.

The complete illustrated science encyclopedia covering the history, key discoveries, inventions and people *Science: The Definitive Visual Guide* reveals the story of scientific progress from the invention of the wheel to 21st-century climate solutions, including everything from ancient Greek geometry and quantum physics to the worldwide web. Explore every key moment of scientific discovery with this remarkable reference book and find out how the concepts, inventions and the individuals behind them have changed our world. With stunning artworks and authoritative information *Science: The Definitive Visual Guide*, now in compact format makes even complex scientific subjects easily comprehensible.

A unique and beautiful children's guide to the extraordinary world of plants, from the smallest seeds to the tallest trees. We couldn't live without plants. We need them for food, shelter, even the air we breathe, yet we know surprisingly little about them. Why do thistles bristle with spines? How do some plants trap and eat insects? Did you know there are trees more than 5,000 years old? *Trees, Leaves, Flowers & Seeds* explores the mysterious world of plants to find the answers to these and many more questions. Each type of plant - such as a flowering plant, a tree, a grass, or cactus - is examined close-up, with an example shown from all angles and even in cross-section. Then picture-packed galleries show the wonderful variety of plants on different themes, perhaps the habitat they grow in, a flower family, or the plants that supply us with our staple foods. But the book also takes a fun, more sideways look at some truly weird and wonderful plants, including trees with fruits like a giant's fingers, orchids that look like monkey faces, seeds

that spin like helicopters, and trees that drip poison. So open this fascinating book and find out more about the amazing world of trees, leaves, flowers, and seeds.

A handy reference encompasses the fundamental principles and techniques of design for both PC or Mac users, covering everything from understanding typography to manipulating art.

From the Moon, Sun, and planets of our Solar System to space exploration, black holes, and dark matter, this completely revised and updated children's encyclopedia covers all you need to know about the cosmos. The most up-to-date images from space agencies such as NASA and ESA combine with info panels, timelines, interviews, diagrams, and activities you can do at home to help you understand the majesty and wonder of space. Learn about the Space Race, the Apollo Moon Landings, the Voyager craft that first probed the outer planets, the Hubble telescope, and the International Space Station (ISS) - the state-of-the-art laboratory orbiting Earth. Find out about future missions, space tourism, and the latest discoveries in the furthest reaches of our galaxy. Discover how to find constellations and where to look for stars and planets, including Venus and Mars, in the night sky. Learn how galaxies such as our Milky Way were formed. Part of a series of best-selling encyclopedias for children, Space: A Children's Encyclopedia is a rocket ride from the beginning of time to the near future, and from planet Earth out to the furthest reaches of the Universe.

An accessible and engaging guide to the atom, the smallest, most fundamental constituent of matter. Until now, popular science has relegated the atom to a supporting role in defining the different chemical elements of the periodic table. In this book, Jack Challoner places the atom at center stage. The Atom investigates the quest to identify the smallest, most fundamental constituents of matter—and how that quest helps us to understand what everything is made of and how it all works. Challoner covers a wide range of topics—including the development of scientific thinking about atoms and the basic structure of atoms; how atomic interactions account for the familiar properties of everyday materials; the power of the atomic nucleus; and what the mysterious quantum realm of subatomic particles can tell us about the very nature of reality. Illustrated in color throughout, The Atom offers clear answers to questions we have all pondered, as well as some we have never even dreamed of. It describes the amazing discoveries scientists have made about the fundamental building blocks of matter—from quarks to nuclear fission to the “God particle”—and explains them accessibly and concisely. The Atom is the engaging and straightforward introduction to the topic that we didn't get in school.

"A 22-volume, highly illustrated, A-Z general encyclopedia for all ages, featuring sections on how to use World Book, other research aids, pronunciation key, a student guide to better writing, speaking, and research skills, and comprehensive index"--

Richly illustrated with over a thousand photos and dazzling details of the elements that make up the physical world. Written in association with the renowned Smithsonian Institution. Does your little chemist have questions about the stuff that everything is made of? This visual reference book covers each of the 118 elements and includes a glossy pull-out poster of the periodic table. This encyclopedia is a superb introduction to the subject of chemistry. Written with kids ages 9 to 12 in mind, using easy to understand language and straightforward fun facts. There's information on the scientists that made the first discoveries, and spectacular photos of large natural features, along with a simple explanation of what an atom is. Find out which of the things we see every day contain these common and unusual elements. There's so much to discover about different elements. Explore their atomic structure with the number of electrons, protons and neutrons, and the three states of solid, liquid, or gas. Kids will learn that the copper used in computer motherboards is also what the Statue of Liberty is made of, and why it's green. Also learn about elements like zinc - why Japan's Akashi Bridge is coated in zinc, and why zinc is used in the soles of boots to make the rubber tougher. Each element is shown in its pure form in a stunning series of photos that will keep children engrossed in elemental science. The poster included with this education book is an added learning tool that shows how the elements are arranged on the periodic table. It's easier than ever to look up the basics of chemistry. From Ac to Xe and all the elements between! The multitude of photos, in this appealing format, makes learning the fundamentals of chemistry simple and enjoyable. This visual reference guide provides the reader with an overview of the most fascinating facts about the elements within us and around us. - Concise and bite-sized information makes it easy for young scholars to follow. - Eye-catching and captivating photos of raw elements and what they are used in.

Decision Processes in Visual Perception explores the relationships between the organization of a complex visual pattern by the perception system and the molecular activity involved in the discrimination of differences in magnitude or intensity between two stimulus elements. The text discusses the basic principles of discrimination, identification, and self-regulation of the perception system; demonstrates how adaptive decision modules emerge from multiple constraints; shows how combinations of simple decisions lead to complex judgmental tasks; and synthesizes traditional approaches to perception in order to clarify the crucial and pervasive role of these modules in the overall activity of perceptual organization. Psychologists, neuroscientists, molecular biologists, and physiologists will find the book invaluable.

"Byrne ... considered that it might be easier to learn geometry if colors were substituted for the letters usually used to designate the angles and lines of geometric figures. Instead of referring to, say, 'angle ABC,' Byrne's text substituted a blue or yellow or red section equivalent to similarly colored sections in the theorem's main diagram."--Friedman.

Have you ever felt stuck with methods, tools and skills that do not match the increasing complexity you are part of? Would you like to work in new ways that strengthen thinking, communication and collaboration? Visual Collaboration introduces a new and innovative way of working and collaborating that will help you successfully manage complexity for yourself, your team, and your entire organization. The method of this book unlocks any team's ability to collaborate in complex projects and processes. By using a systematic and proven approach to drawing and visualizing. Visual Collaboration is a unique visual business book that will enable you to develop visual languages to fit any scenario, create engaging and powerful questions to assist your visual process design and turn a white canvas into a visual template that can improve any meeting, project, or process. The core of the book - a practical and easy-to-follow method - THE FIVE BUILDING BLOCKS will most likely become your preferred way of working. The method is supported by plentiful examples, 4-color drawing, chapter summaries, and clearly defined learning objectives. Enjoyable and powerful, this book will help you: Use visualization as a tool to explore opportunities and challenges Translate complex concepts into easy-to-understand actions Engage employees and team members with effective strategic processes Incorporate drawing into your strategic organizational toolbox to strengthen communication and collaboration Develop and apply powerful visual literacy skills The authors, internationally-recognized experts in strategy communication and visual facilitation, have helped incorporate visual collaboration into more than 500 organizations such as LEGO, IKEA, the Red Cross, the United Nations, and many others. This book is the must-have resource for you to follow their example.

Abstract Painting: The Elements of Visual Language examines and articulates a vocabulary of visual elements from which you build images, abstract or otherwise. As you examine line, shape, pattern, texture, depth, and color in detail, you become more aware of the elements that make up a painting, and better able to observe your own work without judgment and self-criticism. Generously illustrated with over 200 color images, this book will open your eyes to a whole new way of seeing your paintings as they develop, allowing you to be more personally expressive and authentic in your artistic expression. Public concern about the landscape, in particular its appearance, is increasing all the time. For those charged with managing, developing or conserving a wide range of landscapes it is a major task to take visual aspects into account. Elements of Visual Design in the Landscape presents a vocabulary of visual design, structured in a logical and easy to follow sequence. It is profusely illustrated using both abstract and real examples taken from a wide range of international locations together with cross referencing between related principles and case studies demonstrating how the principles can be applied in practice. The visual aspects of design have often been treated as 'cosmetic' and therefore not meriting attention or purely subjective and therefore open to personal preference. Few attempts have been made to explain how we see the landscape in any rational and structured way, and to demonstrate how visually creative design and management can be undertaken. This book aims to fill that gap.

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 element, 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.

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.

This award-winning science book is bubbling over with entertaining and educational experiments for budding scientists to follow at home or in the classroom. Build a soap-powered sailboat, recreate the Solar System out of rubber bands, construct your own colorful kaleidoscope, or make mouthwatering monster marshmallows. Explore the whole range of imaginative activities offered. A foreword by Jack Andraka, a teen award-winning inventor, sets the tone for this spectacular book. Try your hand at 28 different science projects, using simple instructions, everyday ingredients, and stunning photography to guide you from start to finish. Plus fact-filled panels explain the science behind each and every experiment, while contemporary examples give a clear context to better understand important scientific principles. Grab your goggles, put on your lab coat, and let's get started!

A fun, fascinating, and amazingly photographic exploration of the periodic table, for curious kids who want to understand how atoms and elements make up everything in the universe. Created by Theodore Gray, bestselling author of The Elements, especially for kids ages 6 to 9. In this very special kids edition of Theodore Gray's The Elements, budding scientists, ages 6 to 9, will learn all about every element in the periodic table from the first element, Hydrogen (1), to the very last element, Oganesson (118). Filled with great big colorful photographs and fun facts for every element, The Kid's Book of The Elements is the perfect introduction to the fascinating world of chemistry and visual/tactile-based STEM/STEAM learning.

A hands-on book design students and designers alike will welcome. Elements of Design is a tribute to an exceptional teacher and a study of the abstract visual relationships that were her lifelong pursuit. Rowena Reed Kostellow taught industrial design at Pratt Institute for more than fifty years and the designers she trained-and the designers they're training today-have changed the face of American design. This succinct, instructive, invaluable book reconstructs the series of exercises that led Kostellow's students from the manipulation of simple forms to the creation of complex solutions to difficult design problems. It includes her exercises and commentary along with selected student solutions, and concludes with examples of work from former students who became leaders in the field, including such well-known figures as Tucker Viemeister, Ralph Applebaum, Ted Muehling, and many others.

Introduce Baby to the wonderful, colorful elements that make up his or her world! This board book for babies, ages 6 months to 3 years, features big, bold, and bright photography from Theodore Gray's bestselling adult book The Elements, paired with delightful, baby-friendly text. My First Elements includes 10 elements, one per spread. Each spread features a big photograph of the element on one page, such as an iron horseshoe or nugget of gold. The opposite page shows photographs of the places in baby's world where the element is found from balloons for helium to a swimming pool for chlorine to seaweed for iodine.

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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