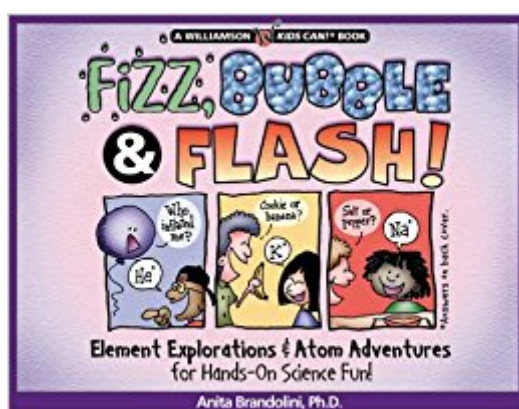


The book was found

Fizz, Bubble & Flash!: Element Explorations & Atom Adventures For Hands-On Science Fun! (Williamson Kids Can! Series)



Synopsis

For ages 8+. What do elements have to do with your everyday life? They make your world -- and beyond -- move and groove, fizz, bubble and flash! Discover what you have in common with party balloons, footballs, computer chips, pizza dough, table salt and TV screens; "Break" a water molecule, produce fluorescent light (without using a switch!), enjoy a half-life snack, compare antiperspirants, and separate the iron from your breakfast cereal! Find out why broccoli smells, why soda makes a coin shine, the secret of static cling, and what makes a smoke detector work.

Book Information

Series: Williamson Kids Can!

Paperback: 128 pages

Publisher: Williamson Pub; First Edition edition (May 1, 2003)

Language: English

ISBN-10: 188559383X

ISBN-13: 978-1885593832

Product Dimensions: 8.5 x 11 x 0.4 inches

Shipping Weight: 11.2 ounces

Average Customer Review: 4.8 out of 5 stars 23 customer reviews

Best Sellers Rank: #437,037 in Books (See Top 100 in Books) #81 in [Books > Children's Books > Education & Reference > Science Studies > Chemistry](#) #272 in [Books > Children's Books > Science, Nature & How It Works > Experiments & Projects](#) #334 in [Books > Science & Math > Science for Kids](#)

Age Range: 9 and up

Grade Level: 4 and up

Customer Reviews

Grade 4-8-This book begins with an introduction to the elements and an explanation of the periodic table. The following chapters describe the different columns, or families, of the periodic table from the alkali metals to the actinides, presenting information about certain elements. Boxed areas provide each element's symbol, number, mass, and brief details about its discovery. Related experiments appear throughout. While they are illustrative and simple, many of the projects, such as making slime and using iodine to identify starchy foods, will be familiar to students and educators. Ideas for making the activities appropriate for science fairs are also included. Sidebars highlight interesting facts, and useful pronunciation guides help with difficult words. Humorous

black-and-white cartoons and photographs add to the busy layout. While the visual presentation will appeal to primary graders, the reading level and content is more suited to middle school students. Still, this would be a solid addition for teachers with a chemistry curriculum, as well as for youngsters seeking information on the subject. Maren Ostergard, Bellevue Regional Library, WA
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Gr. 4-7. From the publisher's Kids Can! Book series, this introduces chemistry to children in an unthreatening, sometimes entertaining text, illustrated with black-and-white, cartoon-style drawings. Brandolini explains the periodic table and presents hands-on activities such as making "slime," testing foods for starch content, and observing the release of carbon dioxide in a yeast-sugar solution. She also includes stories of discoveries, applications of chemistry, and ideas for science-fair projects. Readers will find a great deal of accessible information here, but the material, presentation, and vocabulary are more difficult than they might initially expect. For example, the term ion is introduced and used early in the book, but it is not clearly defined until later. Still, this is one of the few books that attempt to present the fundamentals of chemistry to children. Carolyn Phelan
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After searching high and low for a decent Chemistry curriculum for my 2nd Grader, I found this excellent book. It is perfectly organized for a year's curriculum. It starts with an overview of the Periodic Table and how it is organized, and then it devotes a section to each type of element: Alkali Metals, Alkaline Earths, Main-Group Metals, Metalloids, Nonmetals, Halogens, Noble Gases, Transition Metals, Lanthanides and Actinides. The best part about this book were the experiments. For each one, the science behind it was explained well enough for my 7-yr old to understand the concepts. Not only that, but the materials were easy to find (with the exception of non-galvanized nails). We did nearly all of the experiments in this book, some of them more than once, and it made for a fantastic year of science. If you are looking for a good hands-on chemistry spine for your younger elementary student, I highly recommend this book!

My 5th grade daughter and I just finished working our way through this book as part of her homeschool science curriculum, and we both loved it! Each day she would ask to do science first, because she couldn't wait. The book covers each family on the periodic table. There is also a brief introduction to the structure of atoms and why the periodic table is shaped the way it is. The book covers lots of scientific concepts, but is written in easy-to-understand language. There are a ton of

experiments (we usually did 1-2 per day). We did almost every experiment and only needed to purchase a couple items, the rest used common items that we already had at home. Favorite experiments included making a homemade compass, separating water into hydrogen and oxygen, and electroplating a nail with copper. I highly recommend the book!

What an excellent resource to add to your child's collection! This is a great read to better understanding and learning about the periodic table whether your child needs a supplement to another textbook or learning program. It is easy to work up the lesson plans for a unit study on the periodic table for home school without having to add much of anything else to it! The easy to understand wording of the material captures the children and gets their attention along with the entertaining pictures. It was fun working through building a table of our own from reading the lessons.

This is an excellent book for those studying basic chemistry and have no idea what the elements are really all about. It lives up to all the homeschoolers hype, by far. Non-threatening and actually meaty in the information presented. My non-reading homeschooler holed up with this book on several occasions, and read the entire thing by himself. A bargain for the money!

This is a well written and engaging book for children learning about chemistry and the periodic table. I am an elementary school science teacher and I am very excited to add this to my classroom library. I definitely plan on using some of the experiments in class.

This is the best book I've seen about chemistry for kids. Even for adults!

This book is great! It breaks the periodic table down into a fun and understandable concept. My kids love doing the activities in this book as much as I love teaching them. I used this with my 8th graders and High School Science classes this year. I would say the book is great for all ages though!

This book is awesome!

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