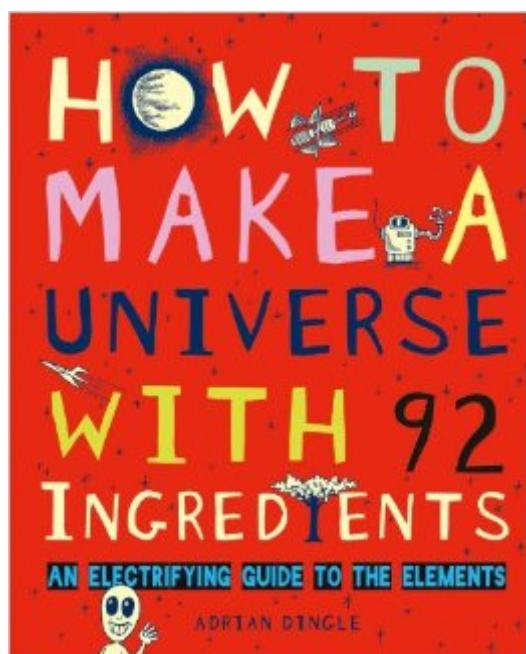


The book was found

# How To Make A Universe With 92 Ingredients: An Electrifying Guide To The Elements



## Synopsis

What do cars, stars, skyscrapers, and ice cream all have in common? They're all made from the same 92 ingredients...and so are we. And so is everything in the entire universe! *How to Make a Universe with 92 Ingredients* presents a unique and imaginative way for young readers to connect chemistry and science with their daily lives. By using dozens of familiar objects (trees, cell phones, the Sun), author Adrian Dingle has built a platform from which to teach kids the unfamiliar — that trees, cell phones, and the Sun are all made of a handful of chemical elements found on the periodic table. Full of easy experiments and "Did You Know?" information that's perfect for sharing with friends, *How to Make a Universe with 92 Ingredients* takes on the impossible and triumphs — it makes chemistry FUN!

## Book Information

Lexile Measure: 1010L (What's this?)

Hardcover: 96 pages

Publisher: Owlkids Books (October 15, 2013)

Language: English

ISBN-10: 1771470089

ISBN-13: 978-1771470087

Product Dimensions: 0.8 x 10 x 11.8 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars — See all reviews (4 customer reviews)

Best Sellers Rank: #133,420 in Books (See Top 100 in Books) #16 in Books > Children's Books > Education & Reference > Science Studies > Chemistry #2242 in Books > Children's Books > Science, Nature & How It Works

Age Range: 10 - 14 years

Grade Level: 4 - 9

## Customer Reviews

What a great way to teach kids (and adults) about chemistry! This book includes narrative, lots of vivid illustrations, and experiments to demonstrate how all things are made from just 92 chemical elements. Each two-page spread has a clever title, like "I'm Gonna Make You A Star" and "Dish the Dirt on Soap." On the latter page, you learn what soap is made of, what scum means (a way to talk about hard water), and how to make elephant toothpaste! You'll also find out about why the fizz in soda is worse for your teeth than sugar, how fireworks are made in different colors,

how tall buildings stand up, and why salt helps make ice cream. (And yes, one of the learning experiments is a recipe for ice cream!) At the end of the book, there is a glossary (â œCool Wordsâ •) and a list of resources, including websites, for further study. It also includes an awesome periodic table poster on the inside of the book jacket. Evaluation: I canâ ™t recommend this one highly enough. Itâ ™s guaranteed to keep children entertained and fascinated.

This book is intended for kids aged 10-12 or so, and need not be read in order. We get a two page spread on the periodic table, a spread on rocks, others on batteries, atomic bombs, magnets, and many other topics. Some include simple experiments (how to make an electromagnet, how to make a rubber-band racer, et al). No math or formulae except for converting Celsius to Fahrenheit. This book is about concepts and fun trivia. The pages are cluttered with callouts and graphics. This book comes out of the UK, I believe, though the North American edition has been pretty well regionalized.

grandson loves it

Good

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