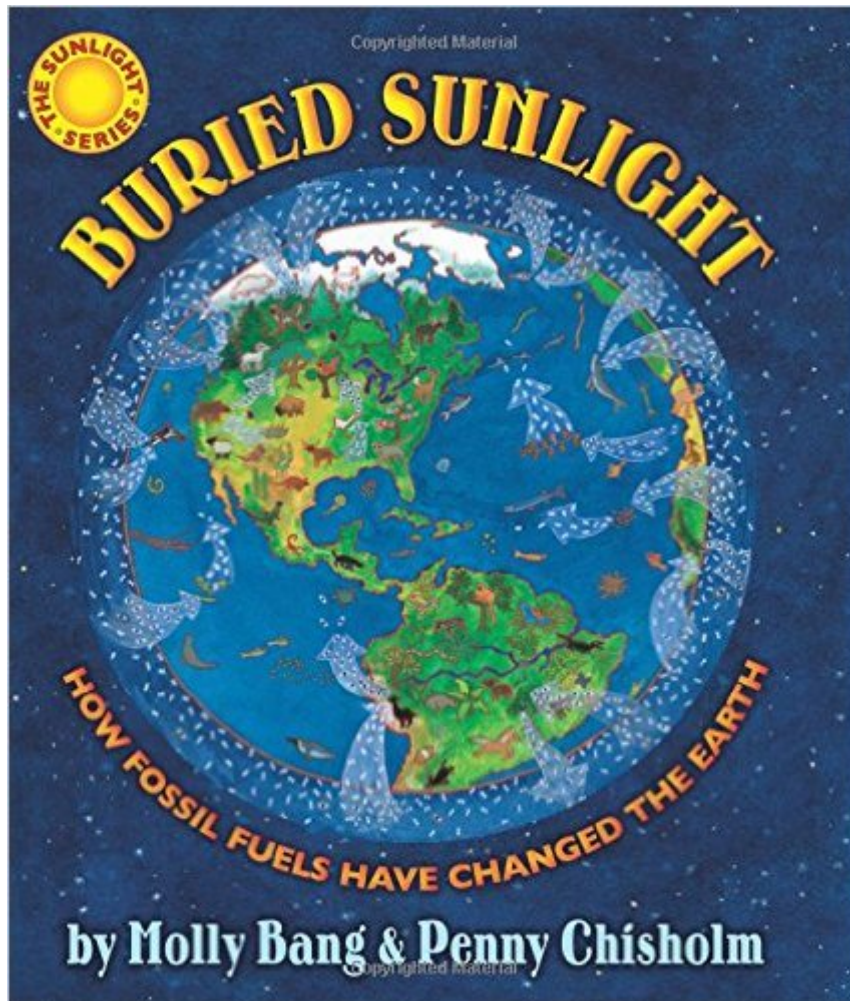


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# Buried Sunlight: How Fossil Fuels Have Changed The Earth



## Synopsis

Acclaimed Caldecott Artist Molly Bang teams up with award-winning M.I.T. professor Penny Chisholm to present the fascinating, timely story of fossil fuels. What are fossil fuels, and how did they come to exist? This engaging, stunning book explains how coal, oil, and gas are really "buried sunlight," trapped beneath the surface of our planet for millions and millions of years. Now, in a very short time, we are digging them up and burning them, changing the carbon balance of our planet's air and water. What does this mean, and what should we do about it? Using simple language and breathtaking paintings, Bang and Chisholm present a clear, concise explanation of the fossil-fuel energy cycle that began with the sun and now runs most of our transportation and energy use in our world. Readers will be mesmerized by this engaging fourth book in the award-winning Sunlight Series by Bang and Chisholm.

## Book Information

Lexile Measure: NC860L (What's this?)

Series: Sunlight

Hardcover: 48 pages

Publisher: The Blue Sky Press (September 30, 2014)

Language: English

ISBN-10: 0545577853

ISBN-13: 978-0545577854

Product Dimensions: 0.2 x 9.5 x 11.2 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars [See all reviews](#) (5 customer reviews)

Best Sellers Rank: #508,210 in Books (See Top 100 in Books) #88 in [Books > Children's Books > Education & Reference > Science Studies > Nature > Rocks & Minerals](#) #322 in [Books > Children's Books > Education & Reference > Science Studies > Biology](#) #624 in [Books > Children's Books > Education & Reference > Science Studies > Nature > Environment](#)

Age Range: 4 - 8 years

Grade Level: Preschool - 3

## Customer Reviews

I'm a huge fan of this series, and this book in particular. Instead of reviewing the entire book, I'm going to talk about one page, because I think it exemplifies what makes the entire Sunlight series so groundbreaking. There's a two page spread that shows atmospheric CO2 concentrations over the

last 400,000 years. Under the line graph are the little CO<sub>2</sub> molecules that will be so familiar to any reader of the Sunlight books. What's significant though is that under the parts of the graph where CO<sub>2</sub> concentrations were relatively low, there's correspondingly less CO<sub>2</sub> molecules than under the regions of high concentration, and the higher the concentration the more densely the CO<sub>2</sub> molecules are packed. In addition, there's a little landscape scene running along the bottom of the page. The landscape displays known ice ages and inter-glacial periods so you can really clearly see how ice ages correspond to period of low CO<sub>2</sub> concentration. This is amazing in a few ways. The density of the CO<sub>2</sub> molecules, subtly supports the information in the graph, while the illustrations of the climate at the time make it easy to connect ice ages to atmospheric CO<sub>2</sub> levels. This data visualization helps teach non-technical readers - especially children - to interpret data. This kind of attention to detail, depth and clarity and thoughtfulness is on literally every page of this book. It's a frankly astounding work that can be understood on one level by young children while still offering insights to older kids and adults.

I've read or been read Molly Bang's books since before I could walk. Coming to this book as an adult has been incredible. I have given it as gifts to many children, read it to many kids, and have read it myself. I find it a wonderful way for children to begin to learn about the complexities of our world and our human impact upon it. The (as always) gorgeous illustrations just help and make it an even more exciting adventure in reading! Highly recommend to children of any age! And adults...

Awesome! My son, who will turn 5 in two months, now comments as soon as he notices a down or a cut tree or fumes coming out of a car. He understands how we should be careful to help keep the balance.

Spot on!! It will nicely compliment my Ecosystem unit!

Very disappointed in this book. I was interested and hopeful that this would be a good truthful book about fossil fuels and where they come from. And as far as that goes it's pretty good. Unfortunately this book takes it farther with what evil we are doing in harvesting said fossil fuels. The author has totally bought into the "humans are killing the earth" meme and is out and out lying to our kids about CO<sub>2</sub> and how the globe is warming. No. Molly Bang is a lovely illustrator and has written and illustrated some of my favorite kids books. Please Ms Bang, stick to picture books.

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