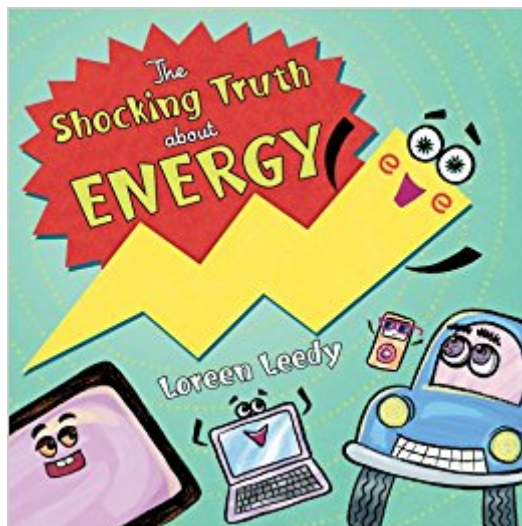


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# The Shocking Truth About Energy



## Synopsis

This high-voltage introduction to energy combines physical science and environmental science with fun. Comical characters explain the basics, including the many forms energy can take. Readers can learn how energy changes from one form to another so that the Sun's energy can end up in a lunch box and eventually in people's muscles. Easy-to-follow diagrams show different ways energy can be harnessed. For a green look at the topic, the pros and cons of each form of energy are outlined, and tips on how to use energy sensibly are included.

## Book Information

Lexile Measure: AD720L (What's this?)

Paperback: 32 pages

Publisher: Holiday House (June 1, 2011)

Language: English

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Product Dimensions: 9.8 x 0.1 x 10 inches

Shipping Weight: 5.6 ounces (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 2 customer reviews

Best Sellers Rank: #864,618 in Books (See Top 100 in Books) #89 in Books > Children's Books

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Children's Books > Science, Nature & How It Works > How Things Work

Age Range: 5 - 8 years

Grade Level: Kindergarten - 3

## Customer Reviews

Grade 2-5 "Another fun and informative offering from Leedy. Lightning-bolt-shaped "Erg" takes readers on a fast-paced journey, explaining what energy is, its various forms, how they are generated, and the "good news" and "bad news" about each one. The author discusses global warming and concludes with four pages of practical energy-saving suggestions for children to implement. The watercolor and Adobe Photoshop illustrations feature cheerful and appealing anthropomorphized appliances. Numerous diagrams help clarify the text, and the chatty little asides uttered by toasters, hair dryers, computers, etc., are amusing. Back matter includes a question-and-answer section dealing with issues such as "What's wrong with bottled water?" and "Is

it really turned OFF?," as well as Web links and a final page called "More Bad News About Fossil Fuels." A welcome addition on an important subject.â "Grace Oliff, Ann Blanche Smith School, Hillsdale, NJ (c) Copyright 2010. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted. --This text refers to the Library Binding edition.

An imaginary bolt of pure energy appropriately named Erg introduces energy basics: its varied forms, the principle that it can be changed but not destroyed, how we get and use the power of fossil fuels, good and bad news about old and new power sources, and the importance of conserving energy to save the earth. The author begins with the role of food in human bodies, a sure way to draw young readers in. The exercise of imagining human muscles pushing a car easily explains our use of other power sources. Leedy's experience selecting facts that are most relevant and engaging for young readers is evident, and the information is eminently digestible. The design moves from energetic to near-frenetic. Her brightly colored mixed-media illustrations are filled with animated appliances, bursts of information, and decorated fonts. Three final pages of sensible suggestions for energy saving are followed by three more pages of helpful supplemental information and suggested Web sites, including a source for science fair projects. Grades K-3. --Kathleen Isaacs --This text refers to the Library Binding edition.

Erg smiles as he flashes out to introduce himself as "pure ENERGY!" Everyone just loves him and without him everything from laptops, iPods, and toasters to cars simply won't work. Erg is everywhere, but the trick is catching him from "heat or light or sound or fuel or motion or electricity." It's very interesting to see how energy can change from the sun all the way to the heat that will roast your hot dog over a campfire. When you eat that dog the energy created will turn to "muscle power," a power that won't pollute and is renewable when you chow down on more food. Unfortunately, your muscle power won't power up your toaster nor will it power up your car. In this book Erg will give you a whirlwind tour of the different forms of energy that we use every day. He claims that "You can't create or destroy energy, but you can change it to another form." Fossil fuels such as oil, natural gas, and coal power most of our vehicles. Erg will show you how the fossil fuels were created and then will move along to show you how they are used to create electricity. If you've ever been curious as to how electricity moves to your house, he'll show you. The bad thing is that fossil fuels are pollutants and are not renewable. Erg is interested in everyone knowing about him and in this book he'll also tell you about global warming, nuclear power, solar power, wind power, water power, geothermal power, and plant power. This vibrant, exciting book about energy is a fun way to learn

the different forms it comes in. This is the type of "new" nonfiction that keeps even the most reluctant reader interested. Erg, who is in the shape of a lightning bolt, whirls through these highly illustrated pages introducing the very basic physic concept of energy. The "good news" and "bad news" about each form are briefly discussed in bubble-like balloons after Erg talks about the form of energy. For example, on the section on nuclear power the bad news is that "The waste from nuclear plants is very dangerous. Uranium is not renewable, so it will run out." The illustrations are lively, colorful, animated and make the book come alive in a busy, but very informative manner. In the back of the book there are recommended web links to explore and additional information about energy conservation.

We are big fans of Loreen Leedy's books for making learning fun and exciting. This is an engaging introduction to energy from fossil fuels to solar, wind, hydro, geothermal plant & more. Each page is packed with information as well as entertaining illustrations, making it an inviting nonfiction book for kids and adults alike. We read it over several days, a chapter or two at a time, keeping it light and fun to read.

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