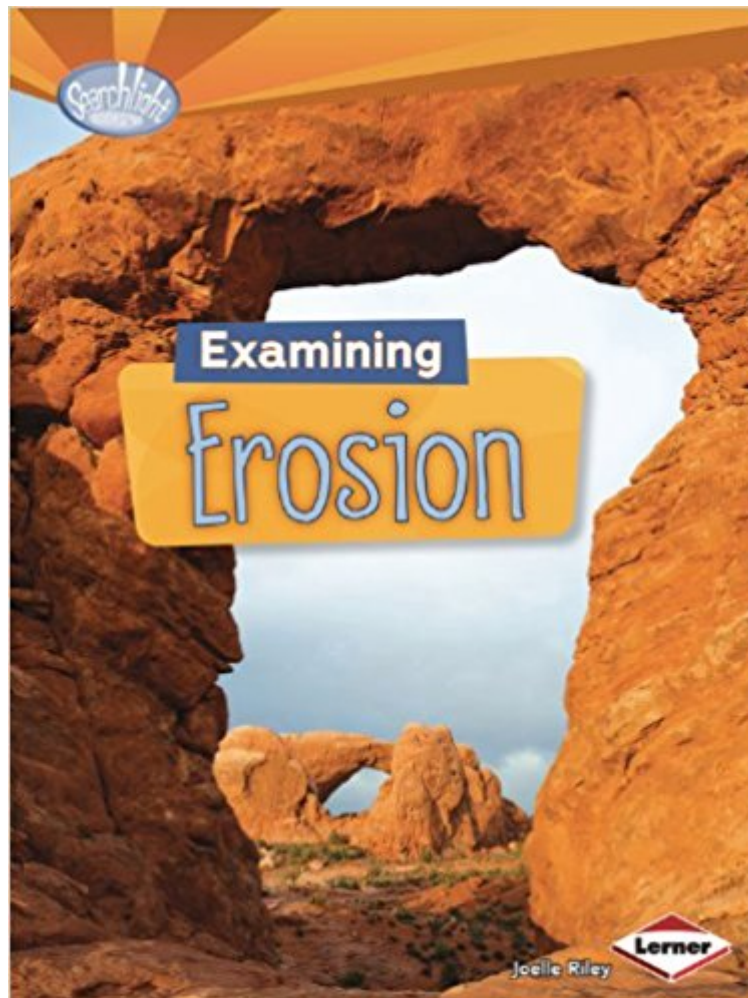




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# Examining Erosion (Searchlight Books: Do You Dig Earth Science?)



## Synopsis

Earth is changing every day. Erosion makes giant mountains smaller and rivers wider, but it happens so slowly most people don't even notice. Do you know what erosion is? Or what causes it? Explore the amazing eroding world in this book.

## Book Information

Series: Searchlight Books: Do You Dig Earth Science?

Paperback: 40 pages

Publisher: Lerner Classroom (February 1, 2013)

Language: English

ISBN-10: 1467707902

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Product Dimensions: 6.6 x 0.2 x 8.7 inches

Shipping Weight: 2.9 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,033,708 in Books (See Top 100 in Books) #148 in [Books > Children's](#)

[Books > Education & Reference > Science Studies > Nature > Rocks & Minerals](#) #390

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Age Range: 8 - 11 years

Grade Level: 3 - 6

## Customer Reviews

Gr 3-6-These traditional presentations cover the rudiments of earth science with mixed results. In an effort to keep things introductory, theories are sometimes stated as facts and important terms and details lack emphasis and clear explanations. With its relatively simple topic, Soil is the strongest title, while Crust is the most confusing because it attempts to explain too much too quickly. Photos and diagrams with descriptive captions are included, sometimes only adding confusion. Other topics beg for further visual clarification. Fossils, Crust, and Minerals touch upon scientists' roles.

Half-hearted suggestions for hands-on activities show up in Rocks and Soil. Most titles end with an explanation of the topic's relevance or how readers can become involved in protecting or studying them. Teaching resources are available from the publisher's website. (c) Copyright 2011.

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--This text refers to the Library Binding edition.

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Earth is constantly changing for many reasons. Change can be rapid when an earthquake strikes or can be slow, which happens when mountains form. Erosion, which "is the movement of rock, soil, and other bits of earth," is a slow process that changes the face of our planet. Young mountains, such as the Rocky Mountain range, "have tall pointed tops." Other mountains that you see are older and have rounded peaks. In this case erosion has been at work as the mountains become smaller. The Appalachian Mountains are an example of this process. Erosion moves pieces of rock that have broken off mountains. You don't always see rocks, but rather smaller pieces. When the larger pieces turn into smaller over time, the process is called weathering. Weathering can be caused by "water, ice, and growing plants." Fast moving water will erode the ground more quickly because "fast streams push harder than slow streams." If you've ever seen a stream, it weaves back and forth, or meanders, through the earth. If water is flowing across hard rock it will flow in "a narrow or straight path." Waves pounding against a shore will "break loose bits of rock, sand, and soil" as it erodes it. Ice, which "takes up more space than water does," can widen cracks in the earth. Like the ocean waves those bits of rock and soil are moved. Glaciers are an example of how ice can grind against the earth moving and breaking off larger pieces of rock. If you've ever seen plants growing in between solid pieces of rock, the process is similar. Weathering can also be caused by "chemicals and other substances." For example, "chemicals found in rainwater can dissolve a kind of rock called limestone." In this book you'll also learn about what happens after weathering, how new land is made, deposition, how deltas, beaches, and hills are formed, how people cause erosion, how we can protect the soil, and you'll learn many other interesting things about erosion. This is a fascinating book on the process of Earth's erosion throughout time. The layout of the book is vibrant with full-color photographs and illustrations that outline the process. Many of the captions add additional information the young student can think about. For example, when discussing how soft rock erodes more quickly than harder rock we learn that "This kind of rock called sandstone is soft. It breaks apart very easily." This is a beginning nonfiction book that the confident or newly independent reader should be able to tackle with a minimum of assistance. In the back of the book is an index, a glossary, and recommended book and website resources to explore. There are additional free, complementary educational resources that can be downloaded on the

publisher's website. Do You Dig Earth Science? Examining Erosion Figuring Out Fossils Marveling at Minerals Researching Rocks Studying Soil Uncovering Earth's Crust This book courtesy of the publisher.

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