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Why Do Leaves Change Color? (Let's-Read-and-Find-Out Science, Stage 2)



Synopsis

As children jump into piles of leaves and help their parents rake the yard, they also wonder: Why do leaves change color? With bright illustrations from Loretta Krupinski and clear, simple text by Betsy Maestro, this book explains what happens to leaves in autumn. This informative concept book includes detailed pictures of leaves in different sizes, shapes, and colors and a list of activities that kids can do with leaves. This is a Stage 2 Let's-Read-and-Find-Out, which means the book explores more challenging concepts for children in the primary grades. Let's-Read-And-Find-Out is the winner of the American Association for the Advancement of Science/Subaru Science Books & Films Prize for Outstanding Science Series. Supports the Common Core Learning Standards and Next Generation Science Standards

Book Information

Lexile Measure: 580L (What's this?)

Series: Let's-Read-and-Find-Out Science 2 (Book 1)

Paperback: 32 pages

Publisher: National Geographic School Pub; 1 edition (August 25, 1994)

Language: English

ISBN-10: 0064451267

ISBN-13: 978-0064451260

Product Dimensions: 9.8 x 0.1 x 8 inches

Shipping Weight: 3.5 ounces

Average Customer Review: 4.4 out of 5 starsÂ Â See all reviewsÂ (46 customer reviews)

Best Sellers Rank: #135,191 in Books (See Top 100 in Books) #41 inÂ Books > Children's Books > Education & Reference > Science Studies > Botany #55 inÂ Books > Children's Books > Education & Reference > Science Studies > Nature > Forests & Trees #482 inÂ Books > Children's Books > Holidays & Celebrations > Halloween

Age Range: 4 - 8 years

Grade Level: Kindergarten - 4

Customer Reviews

I was very hopeful when I found this book, that it would answer this great question and teach science along the way. The positives:>It covers some good information about change of season, shorter days, cooler temps, and how this makes trees go dormant. It very briefly introduces the word chlorophyll with one (barely recognizable) cross-section diagram of a leaf.>The illustrations are

lovely, and come with descriptions of different types of leaves for different trees. The drawbacks: > Concepts aren't presented in very interesting manner, they are either quickly glossed over or are spread out with lots of descriptors about trees and colors over several pages (ie. repetitive, fluff, boring, sleep-inducing). > Would have liked a more complete description of photosynthesis, with picture showing the components needed such as sunlight, chlorophyll, and how it literally means converting light into energy. > They mention that sunny days paired with cool nights brings on the most colorful displays, but they don't say why that is (the vein of the leaves close in the cold, preventing movement of sugars out of the leaf, etc). > Why should a tree lose its leaf? Not only for lack of sunlight, but what about effect of freezing temperature, increase risk of damage in storms and snow. Compared to pine needles (which they do mention briefly in one paragraph) which are shaped to retain moisture, and let snow fall past so as not to cause damage. > Most importantly, the text leaves out (no pun intended) the answer to crux of the question, why all the colors? If you pick a leaf or branch full of leaves off a tree in spring or summer, the leaves will dry up and turn brown. Why in the fall do they turn brilliant colors instead?

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