



## Synopsis

This guide to the story of light in which photography of original equipment, intricate scientific instruments, revealing experiments and 3-D models offer a unique view to the incredible discoveries that have transformed our world. See why ancient peoples worshipped the Sun as a God; how light rays bend; why things glow when they are very hot; what creates a colour television picture; how microscopes and telescopes were invented ; why a leaf looks green; how fibre optics can transmit light; what happens during an eclipse; why images are reversed in mirrors; how a liquid crystal display works; what makes a hologram; what causes the eerie "will o' the wisp"; how do some animals make their own light; what creates a mirage; why we burn in strong sunlight; what a polarising filter does; why we see rainbows; what a quantum is and how X-rays penetrate our bodies.

## Book Information

Series: Eyewitness Guides

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## Customer Reviews

Grade 6 Up-- This series uses the familiar "Eyewitness" format to trace scientific developments and discoveries. Arrangement is roughly chronological, with double-page illustrations and photos on each spread, a wealth of information is provided, ranging from explanations of processes to historical tidbits and trivia. Descriptions of solar cells and interference colors ( Light) and the telegraph-page treatments focusing on general areas of interest. Light covers such topics as shadows, refraction, lasers, and holograms, while Electricity includes conduction, magnetism, communication, and more. With six to eight captioned receiver (Electricity) are brief, but clear and concise. Despite these

strengths, the format limits the books' usefulness. Readers with little background will be overwhelmed by the deluge of information. Solid explanations of electricity and light are there, but it is hard to follow them systematically with all of the sidebars and related factual fragments.

Photographs are of excellent quality and are effective in illustrating the concepts discussed, but many require prior knowledge to understand and appreciate them. Although they cannot match the broad appeal of McCarthy & Arnold's *Reptile* (1991) or the Natural History Museum staff's *Rocks & Minerals* (1988, both Knopf), these titles will be useful and attractive supplements to science collections. --Steven Engelfried, Alameda County Library, CA Copyright 1992 Reed Business Information, Inc. --This text refers to an out of print or unavailable edition of this title.

...a mini museum between the covers of a book. [Eyewitness series] -- The New York Times These books' striking visual impact will draw in even the most casual readers. [Eyewitness series] -- School Library Journal --This text refers to an out of print or unavailable edition of this title.

I bought two. Fantastic book!

Great book for classroom experience, great for in school students for homeschool students. Lots of information in colorful pages with inviting graphics and details make it a great pick for any kid

Picked out this book as a reference for a seventh grade science project on light absorption/heat. It had the information we were looking for along with great illustrations. Thank-you.

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