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# Scientific American Environmental Science For A Changing World



## Synopsis

Following real people and real science, *Environmental Science for a Changing World* provides a unique context for showing students how science works and how to think critically about environmental issues. Chapters don't merely include interesting stories they are examples of science journalism at its best, combining *Scientific American*-style writing, layout, and graphics to tell compelling stories that exemplify important concepts and issues. This approach has proven so effective that instructors using the book report a dramatic increase in the number of students who read the assignments and come to class ready to participate. This updated new edition features new stories, updated scientific coverage, and enhanced Infographics—the book's signature visual study tool that combines memorable images, step-by-step callouts, and questions that foster scientific literacy. The book is organized into 11 chapters, each consisting of multiple modules focused on different aspects of environmental science, from ecology and evolution, to human interactions with the environment, to land, water, and energy resources. Although each module tells a compelling and relatable story, it is built on a core pedagogy of Guiding Questions that help students extract the scientific concepts that form the basis for the story. This edition also has its own dedicated version of Macmillan's online course space, LaunchPad, which is filled with Video exercises, animations, graphing exercises, and assessments, including LearningCurve adaptive quizzing that help students apply the science, debunk misconceptions, and prepare for exams.

## Book Information

Paperback: 432 pages

Publisher: W. H. Freeman; 2 edition (January 7, 2015)

Language: English

ISBN-10: 1464162204

ISBN-13: 978-1464162206

Product Dimensions: 8.4 x 0.8 x 10.8 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 45 customer reviews

Best Sellers Rank: #5,122 in Books (See Top 100 in Books) #19 in Books > Textbooks >

Science & Mathematics > Earth Sciences #49 in Books > Science & Math > Earth Sciences

## Customer Reviews

Susan Karr, MS, is an Instructor in the Biology Department of Carson-Newman College in Jefferson

City, Tennessee, and has been teaching for over 15 years. She has served on campus and community environmental sustainability groups and helps produce an annual State of the Environment report on the environmental health of her county. In addition to teaching non-majors courses in environmental science and human biology, she teaches an upper-level course in animal behavior where she and her students train dogs from the local animal shelter in a program that improves the animals chances of adoption. She received degrees in Animal Behavior and Forestry from the University of Georgia. Jeneen Interlandi is a science writer who contributes to "Scientific American" and "The New York Times Magazine." Previously, she spent four years as a staff writer for "Newsweek," where she covered health, science, and the environment. In 2009, she received a Kaiser Foundation fellowship for global health reporting and traveled to Europe and Asia to cover outbreaks of drug-resistant tuberculosis. Jeneen has worked as a researcher at both Harvard Medical School and Lamont Doherty Earth Observatory. She holds Masters degrees in Environmental Science and Journalism, both from Columbia University in New York. Anne Houtman, PhD, is Professor and Head of the School of Life Sciences at Rochester Institute of Technology, which includes programs in Environmental and Biological Sciences. Her research interests are in the behavioral ecology of birds, and currently research in her laboratory focuses on the ecology and evolution of hummingbird song. She also has an active research program in science pedagogy. Anne received her doctorate in zoology from the University of Oxford and conducted postdoctoral research at the University of Toronto.ac"

This book, Scientific American Environment Science for a Changing World, has been one of the most informative, enlightening, eye opening, mouth dropping, reading experiences in my life. This is not an exaggeration by any means. So much has been done to 'our' planet with unintentional, yet disregarded results. Many of the inhabitants who live here on Earth suffer dearly while others go about their happy go lucky lifestyles without a clue as to what is really going on across a sea, river, ocean and/or continent. It has opened my eyes and put tears in them. This book should be a required reading for all students and all people. Thank you.

This is by far one of the best text books I have ever run across. It lays everything out well and relates the topic of the chapter to a relevant story to help carry what might otherwise be very dry contents.

What can I say, it's exactly what I needed for class. It does smell like it took a bath in Fabreze but

other than that it was a good buy.

brand new....fast shipping

Just what I wanted.

school

Bought Kindle version and great book but only available up to 25 chapters. You need to access LaunchPad (requires access code which doesn't come with Kindle version) for chapters 26 through 30. No mention of this in product description.

Great book.

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