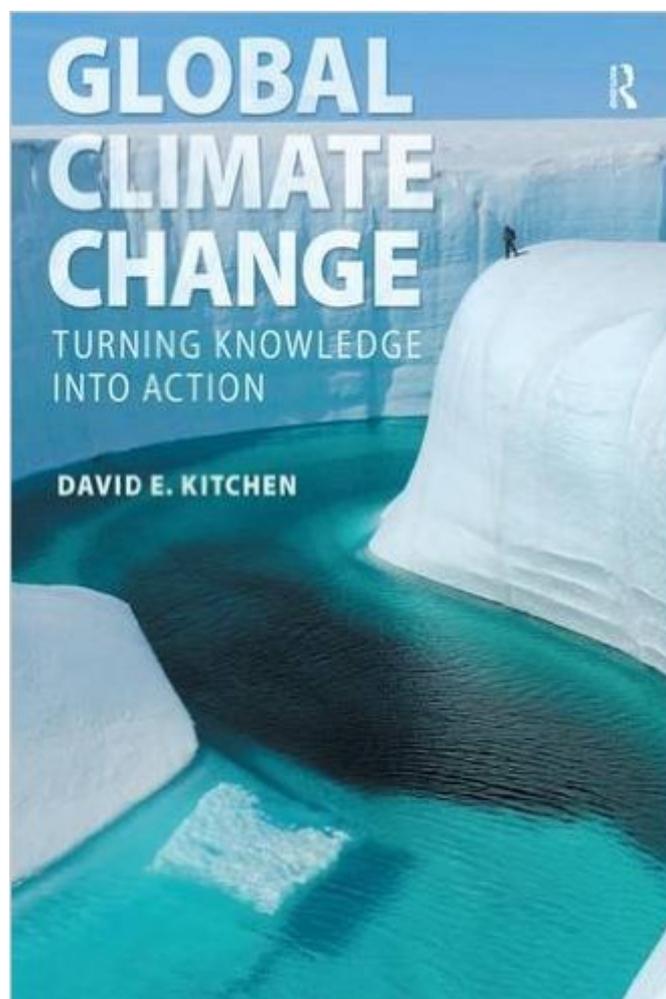


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# Global Climate Change: Turning Knowledge Into Action



## Synopsis

The science of climate change is a complex subject that balances the physical record and scientific fact with politics, policy, and ethics - and is of particular importance to the geosciences. This thoughtfully crafted new text and accompanying media encourage non-science majors to practice critical thinking, analysis, and discourse about climate change themes. Taking a cross-disciplinary approach, acclaimed educator and researcher, David Kitchen, examines not only the physical science, but the social, economic, political, energy, and environmental issues surrounding climate change. His goal: to turn knowledge into action, equipping students with the knowledge and critical skills to make informed decisions, separate facts from fiction, and participate in the public debate.

## Book Information

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Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (9 customer reviews)

Best Sellers Rank: #49,567 in Books (See Top 100 in Books) #41 in [Books > Textbooks > Science & Mathematics > Environmental Studies](#) #41 in [Books > Science & Math > Earth Sciences > Climatology](#) #46 in [Books > Science & Math > Earth Sciences > Weather](#)

## Customer Reviews

I agree with the other reviewer who said that the coverage was basic, but the book is intended for Undergrads to use in an introductory course. I found the text extremely clear, and I think anyone who reads it from beginning to end will have enough mastery of the basics to move on from there. Climate Science is a rapidly developing field, so there is a real need for up-to-date texts, and as of mid-2013, this is the best introductory text that I have looked at.

This book is being used for a university (300-level) undergraduate course for upper classmen in an Environmental Studies and Geography department. It was chosen for use by an instructor with decades of instructional experience who is well trusted and very knowledgeable himself in this material (a former physics professor as well). The course is not a true science textbook, even

though the subject matter is filled with physics concepts, it is well designed for an Arts program where the participants generally lack high level mathematics experience. If you want fluid dynamics and mathematical modeling explained, this is not the book for you. If you want plain English, nice illustrations, and a reasonable price, this book fits the bill.

I was impressed not only by the comprehensiveness of this book; but its (practical) even-handedness and its structure (including its use of questions for the reader as (s)he proceeds, which is clearly designed to take advantage of everything we know about how to deepen a reader's understanding and retention)

My rate is 3.5. The content is good and well thought-out but he makes several generalizations (Parts 1-3). The book has subsections (bold/black colored headings) in which he poses good ideas/problems (1-3 paragraphs) but in several cases he fails in following through with details. The text make references to figures that have nothing to do with the idea the author is trying to bring across. With this in mind several figures are disjointed in regards to the text. On the plus side, the book is very well illustrated with good figures, graphs, etc. Another plus is that the author provides web links for sites and videos to supplement the text. There are several typos and errors in figures which I assume is more of a publisher's responsibility for the quality of the product. For an Intro to Climate Change course this textbook is borderline into over-simplistic (for my taste as a Geologist). However, it might be at the right level for undergraduate students being exposed to such a complex phenomena. I had to rely on other climate change and paleoceanography books to bring more detail into several ideas and facts. Overall is a good book and I recommend it but keep in mind that you might need outside resources to fill in the gaps with more detail (if you prefer). I used this book to teach a 4xxx level course. If a second edition is made and more detail information is added this book will be a great resource!!!!

This book delves into the issue of climate change by explaining in lucid detail how the many systems of the Earth work in their natural state and then explaining how we are affecting those natural systems. The graphics and charts are amazing. Great for visual learners, and it really puts things into perspective. Climate disaster is not inevitable, we can make a difference!

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