



Elements of Environmental Chemistry

By Ronald A. Hites, Jonathan D. Raff

Download now

Read Online ➔

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff

From Reviews of the First Edition:

"This splendid, at times humorous, and reasonably priced little book has much to commend it to undergraduate chemists and to other science students." —J. G. Farmer, University of Edinburgh

"Complex environmental issues are presented in simple terms to help readers grasp the basics and solve relevant problems." —J. Albaiges, University of Barcelona

"The main strength of the book lies in its explanations of the calculation of quantitative relationships. Each chapter includes 15-20 problems that are carefully chosen from a didactic standpoint, for which the reader can find solutions at the end." —D. Lenoir, Institute for Ecological Chemistry

"What drew me to the first edition was the style – the no nonsense, down-to-earth explanations and the practical examples that litter the text. The dry humor expressed in the footnotes is great and reminds me of other classic texts." —T. Clough, Lincoln University

A practical approach to environmental chemistry

Providing readers with the fundamentals of environmental chemistry and a toolbox for putting them into practice, *Elements of Environmental Chemistry*, Second Edition is a concise, accessible, and hands-on volume designed for students and professionals working in the chemical and environmental sciences.

Tutorial in style, this book fully incorporates real-world problems and extensive end-of-chapter problem sets to immerse the reader in the field. Chapters cover mass balance, chemical kinetics, carbon dioxide equilibria, pesticide structures and much more. Extensively revised, updated, and expanded, this Second Edition includes new chapters on atmospheric chemistry, climate change, and polychlorinated biphenyls and dioxins, and brominated flame retardants. In addition, new practice problems and a helpful tutorial on organic chemistry names and structures have been added to improve both the scope and accessibility of the book.

 [**Download** Elements of Environmental Chemistry ...pdf](#)

 [**Read Online** Elements of Environmental Chemistry ...pdf](#)

Elements of Environmental Chemistry

By Ronald A. Hites, Jonathan D. Raff

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff

From Reviews of the First Edition:

"This splendid, at times humorous, and reasonably priced little book has much to commend it to undergraduate chemists and to other science students." —J. G. Farmer, University of Edinburgh

"Complex environmental issues are presented in simple terms to help readers grasp the basics and solve relevant problems." —J. Albaiges, University of Barcelona

"The main strength of the book lies in its explanations of the calculation of quantitative relationships. Each chapter includes 15-20 problems that are carefully chosen from a didactic standpoint, for which the reader can find solutions at the end." —D. Lenoir, Institute for Ecological Chemistry

"What drew me to the first edition was the style – the no nonsense, down-to-earth explanations and the practical examples that litter the text. The dry humor expressed in the footnotes is great and reminds me of other classic texts." —T. Clough, Lincoln University

A practical approach to environmental chemistry

Providing readers with the fundamentals of environmental chemistry and a toolbox for putting them into practice, *Elements of Environmental Chemistry*, Second Edition is a concise, accessible, and hands-on volume designed for students and professionals working in the chemical and environmental sciences.

Tutorial in style, this book fully incorporates real-world problems and extensive end-of-chapter problem sets to immerse the reader in the field. Chapters cover mass balance, chemical kinetics, carbon dioxide equilibria, pesticide structures and much more. Extensively revised, updated, and expanded, this Second Edition includes new chapters on atmospheric chemistry, climate change, and polychlorinated biphenyls and dioxins, and brominated flame retardants. In addition, new practice problems and a helpful tutorial on organic chemistry names and structures have been added to improve both the scope and accessibility of the book.

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff Bibliography

- Sales Rank: #1028555 in Books
- Published on: 2012-04-24
- Original language: English
- Number of items: 1
- Dimensions: 8.05" h x 1.00" w x 5.10" l, .95 pounds
- Binding: Paperback
- 360 pages

 [**Download** Elements of Environmental Chemistry ...pdf](#)

 [**Read Online** Elements of Environmental Chemistry ...pdf](#)

Editorial Review

Review

“Overall, this is an instructive text for undergraduate environmental chemists (and their lecturers), punching well above what its compact format might initially suggest.” (*Chemistry World*, 1 January 2013)

“A student who reads this book and works the problems will have some improved insight into environmental chemistry and will, if successful and hardworking, be a whiz at solving environmental and many other chemistry problems. Summing Up: Recommended. Lower-division undergraduates through researchers/faculty.” (*Choice*, 1 November 2012)

From the Back Cover

The basics of environmental chemistry and a toolbox for solving problems

Elements of Environmental Chemistry uses real-world examples to help readers master the quantitative aspects of environmental chemistry. Complex environmental issues are presented in simple terms to help readers grasp the basics and solve relevant problems. Topics covered include: steady- and non-steady-state modeling, chemical kinetics, stratospheric ozone, photochemical smog, the greenhouse effect, carbonate equilibria, the application of partition coefficients, pesticides, and toxic metals. Numerous sample problems help readers apply their skills. An interactive textbook for students, this is also a great refresher course for practitioners.

About the Author

Ronald A. Hites, PhD, is a Distinguished Professor in the School of Public and Environmental Affairs at Indiana University. He is a Fellow of the American Chemical Society and of the American Association for the Advancement of Science. He has been an editor of *Environmental Science and Technology* since 1990.

Jonathan D. Raff, PhD, is an Assistant Professor in the School of Public and Environmental Affairs at Indiana University. He was the recipient of a National Science Foundation American Competitiveness in Chemistry Postdoctoral Fellowship and a United States Environmental Protection Agency STAR Graduate Fellowship.

Users Review

From reader reviews:

Cornell Neal:

Now a day folks who Living in the era just where everything reachable by interact with the internet and the resources inside can be true or not involve people to be aware of each information they get. How individuals to be smart in having any information nowadays? Of course the answer is reading a book. Reading through a book can help men and women out of this uncertainty Information specifically this Elements of

Environmental Chemistry book as this book offers you rich data and knowledge. Of course the details in this book hundred % guarantees there is no doubt in it you probably know this.

Nathan Herr:

This book untitled Elements of Environmental Chemistry to be one of several books that will best seller in this year, honestly, that is because when you read this reserve you can get a lot of benefit in it. You will easily to buy this kind of book in the book retail store or you can order it by means of online. The publisher of the book sells the e-book too. It makes you more readily to read this book, since you can read this book in your Smart phone. So there is no reason to you to past this reserve from your list.

Bessie Kraft:

Does one one of the book lovers? If yes, do you ever feeling doubt if you find yourself in the book store? Make an effort to pick one book that you just dont know the inside because don't judge book by its handle may doesn't work here is difficult job because you are afraid that the inside maybe not because fantastic as in the outside seem likes. Maybe you answer might be Elements of Environmental Chemistry why because the excellent cover that make you consider with regards to the content will not disappoint anyone. The inside or content is actually fantastic as the outside or even cover. Your reading 6th sense will directly make suggestions to pick up this book.

Jim Molnar:

Is it anyone who having spare time subsequently spend it whole day by simply watching television programs or just laying on the bed? Do you need something totally new? This Elements of Environmental Chemistry can be the solution, oh how comes? It's a book you know. You are consequently out of date, spending your extra time by reading in this new era is common not a nerd activity. So what these publications have than the others?

**Download and Read Online Elements of Environmental Chemistry
By Ronald A. Hites, Jonathan D. Raff #8E5ZH6XA07L**

Read Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff for online ebook

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff books to read online.

Online Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff ebook PDF download

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff Doc

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff Mobipocket

Elements of Environmental Chemistry By Ronald A. Hites, Jonathan D. Raff EPub