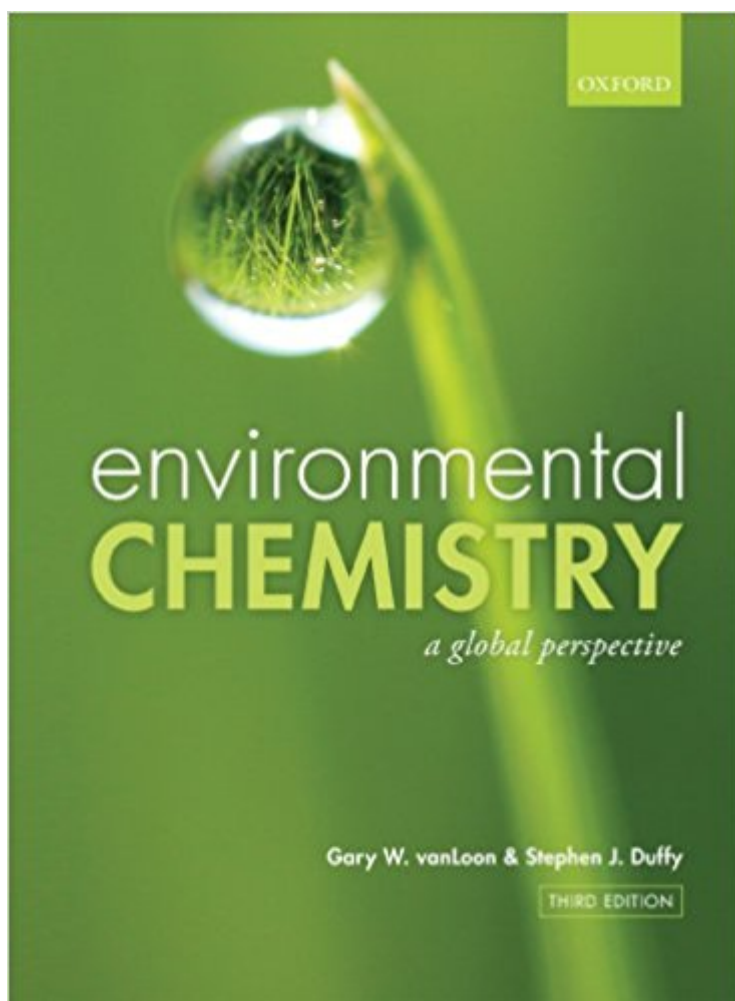


The book was found

Environmental Chemistry: A Global Perspective



Synopsis

Chemical processes shape the world we live in; the air we breathe, the water we drink, the weather we experience. Environmental Chemistry: a global perspective describes those chemical principles which underpin the natural processes occurring within and between the air, water, and soil, and explores how human activities impact on these processes, giving rise to environmental issues of global concern. Guiding us through the chemical composition of the three key environmental systems - the atmosphere, hydrosphere, and terrestrial environment - the authors explain the chemical processes which occur within and between each system. Focusing on general principles, we are introduced to the essential chemical concepts which allow better understanding of air, water, and soil and how they behave; careful explanations ensure that clarity is not sacrificed at the expense of thorough coverage of the underlying chemistry. We then see how human activity continues to affect the chemical behaviour of these environmental systems, and what the consequences of these natural processes being disturbed can be. Environmental Chemistry: a global perspective takes chemistry out of the laboratory, and shows us its importance in the world around us. With illuminating examples from around the globe, its rich pedagogy, and broad, carefully structured coverage, this book is the perfect resource for any environmental chemistry student wishing to develop a thorough understanding of their subject. -In-depth and rigorous discussion of the chemical principles of the most important environmental issues, illustrated throughout with ample example problems -Clarity of the text is not sacrificed to achieve depth of coverage -Frequent worked examples build students' confidence in the material being presented Online Resource Centre For students: -Links to useful websites For lecturers: -Solutions manual containing solutions to problems presented in the book -Figures from the book, available to download

Book Information

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Customer Reviews

Review from previous edition: "Excellent textbook" --Aslib
"The authors have set themselves the goal of providing an advanced textbook on environmental chemistry for senior chemistry undergraduates. In meeting their goal they have produced wonderfully varied, informative and rigorous text that will provide an excellent resource for school, college and university teachers of environmental chemistry." --Education in Chemistry, May 2001
"Taken as a whole this book provides an informative and intelligent undergraduate primer on environmental chemistry" --Chemistry in Britain
"this new edition improves on what was already an excellent textbook for its market." --Education in Chemistry, 2007
"I am very impressed with the book and the approach it takes. By linking a wide range of core chemistry to aspects of the environment, it helps students learn about the environment in a rigorous scientific way, but also puts the chemistry into the context of an applied subject." --Dr George Marston, University of Reading, UK

Gary W. VanLoon is Professor in the Department of Chemistry at Queen's University, Canada. Stephen J. Duffy is Associate Professor in the Department of Chemistry at Mount Allison University, Sackville, New Brunswick, Canada

Thanks for the book. I like the contents of this book, it seems very relative.

Book was in great condition. Ordered for a course, so my expectations of what the material would be was on par with what I received.

Easy to read and understand.

Good

This was ordered for an online class. Maybe I just don't know my chemistry well enough, but I found this text very difficult and not user friendly. You have to be a hard-core chem major to find this

readable.

I've been looking for this book. Other environmental chemistry textbooks cover too many topics: environmental analysis, ecotoxicology, and environmental engineering are common. This one gets it just right: the chemistry of the air, water and soil (including common pollutants) at the level of a undergraduate sophomore- or junior-level course. The text is challenging enough for chemistry majors but not too intimidating for the biology majors interested in the field. My only quibbles: not much about environmental modeling of the chemical composition of important systems, still not quite advanced enough (but better than current general textbooks on the topic), and it's missing some important topics (groundwater attenuation, for example). Still, I'll be adopting this book for the course I teach.

I teach an upper level (sophomore/junior) environmental chemistry course. I selected this text last time I taught the course. My students found it practically unusable. There was not enough review/integration of basic chemistry topics. There were some problems and explanations of problem solving processes that even I had trouble following let alone my students. There were a number of errors throughout. The good things about this text is that it is not too expensive, there are good end of chapter problems (although more basic/easier ones would be nice). I did like the scope and coverage of the book, that is why I selected it. I'll be trying Baird this year.

I will be adopting this for my course. I have tried several and found that they are either too basic or overly focused on one area. This book goes into good depth on a whole range of topic and has good examples. Includes thought provoking Fermi questions. I am going to try it with students with just a general chem background. I think it will work -- let's see.

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