

Environmental Chemistry: A global perspective

By Gary W. vanLoon, Stephen J. Duffy

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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

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For students:
-Links to useful websites

For lecturers:
-Solutions manual containing solutions to problems presented in the book
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Review
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--Dr George Marston, University of Reading, UK

About the Author

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