

<<环境科学>>

图书基本信息

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前言

Modern techniques of environmental science allow us to explore our surroundings in ways that were unimaginable until relatively recently. These explorations have not only revealed the natural world in ever finer detail, they have also provided evidence to suggest that the activity of humans is, for the first time, causing changes to the environment on a global scale. Heightened interest in the nature and quality of our surroundings is reflected in the growing amount of published work concerning environmental issues, both in the press and in more specialist literature. This book was written to provide a clear and authoritative introductory environmental science text. It strives to bridge the gap between the popularist and specialist environmental publications. It introduces the reader to the basic concepts and vocabulary necessary to explore complex environmental issues and problems. Environmental science will primarily be of use to first-year undergraduate students of the environmental sciences, including environmental biology and environmental chemistry. However, it will also serve as a reference text for students of related disciplines such as environmental studies and environmental management. The text is constructed in a concise and coherent manner, making extensive use of boxed material, both to explain basic theory and to provide illustrative examples. In order to further enhance the students' learning experience, end of chapter problems and a selection of environmental case studies are included. The latter are intended to provide a starting point for further, independent, investigation into the environmental issues raised. The book is divided into two main parts: The Natural Environment (Chapters 1-10) and Human Impact on the Natural Environment (Chapters 11-16). In the first of these, the nature and chemical behaviour of matter is explored, as are the major features and processes of the lithosphere, hydrosphere, biosphere and atmosphere, and the interactions between them. In the second part of the text, the impact of human activities upon the environment, through the exploitation of natural resources and the production of pollutants, is explored in depth. Attention is given in the final chapter to the issue of waste management.

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内容概要

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