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Biogeochemistry: An Analysis of Global Change, 3rd Edition

By Emily S. Bernhardt

Academic Press. Paperback. Book Condition: New. Paperback. 688 pages. Dimensions: 9.2in. x 7.4in. x 1.3in. Biogeochemistry-winner of a 2014 Textbook Excellence Award (Texty) from the Text and Academic Authors Association-considers how the basic chemical conditions of the Earth, from atmosphere to soil to seawater, have been and are being affected by the existence of life. Human activities in particular, from the rapid consumption of resources to the destruction of the rainforests and the expansion of smog-covered cities, are leading to rapid changes in the basic chemistry of the Earth. This expansive text pulls together the numerous fields of study encompassed by biogeochemistry to analyze the increasing demands of the growing human population on limited resources and the resulting changes in the planets chemical makeup. The book helps students extrapolate small-scale examples to the global level, and also discusses the instrumentation being used by NASA and its role in studies of global change. With extensive cross-referencing of chapters, figures and tables, and an interdisciplinary coverage of the topic at hand, this updated edition provides an excellent framework for courses examining global change and environmental chemistry, and is also a useful self-study guide. Winner of a 2014 Texty Award from the Text and...



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