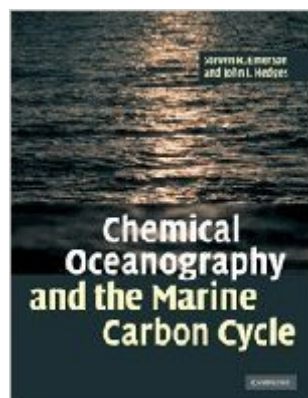


The book was found

# Chemical Oceanography And The Marine Carbon Cycle



## Synopsis

The principles of chemical oceanography provide insight into the processes regulating the marine carbon cycle. The text offers a background in chemical oceanography and a description of how chemical elements in seawater and ocean sediments are used as tracers of physical, biological, chemical and geological processes in the ocean. The first seven chapters present basic topics of thermodynamics, isotope systematics and carbonate chemistry, and explain the influence of life on ocean chemistry and how it has evolved in the recent (glacial-interglacial) past. This is followed by topics essential to understanding the carbon cycle, including organic geochemistry, air-sea gas exchange, diffusion and reaction kinetics, the marine and atmosphere carbon cycle and diagenesis in marine sediments. Figures are available to download from [www.cambridge.org/9780521833134](http://www.cambridge.org/9780521833134). Ideal as a textbook for upper-level undergraduates and graduates in oceanography, environmental chemistry, geochemistry and earth science and a valuable reference for researchers in oceanography.

## Book Information

Hardcover: 470 pages

Publisher: Cambridge University Press; 1 edition (June 8, 2008)

Language: English

ISBN-10: 0521833132

ISBN-13: 978-0521833134

Product Dimensions: 7.4 x 1 x 9.7 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars [See all reviews](#) (3 customer reviews)

Best Sellers Rank: #543,570 in Books (See Top 100 in Books) #196 in [Books > Science & Math > Nature & Ecology > Oceans & Seas > Oceanography](#) #212 in [Books > Science & Math > Biological Sciences > Biology > Marine Biology](#) #880 in [Books > Science & Math > Earth Sciences > Geology](#)

## Customer Reviews

Really covers all the basic-advanced topics going on in modern chemical oceanography. It can be a tough read at points, but is fairly straight forward overall. I may have failed by chemical oceanography exam, but the book is still nice.

This book covers all the main topics in chemical oceanography. It is clearly written, and I enjoy

reading it. I think that it is the best successor so far of "Tracers in the Sea".

Great

[Download to continue reading...](#)

Chemical Oceanography and the Marine Carbon Cycle Introduction to Chemical Engineering Thermodynamics (The McGraw-Hill Chemical Engineering Series) Oceans Of The World In Color: Marine Life and Oceanography for Children Oceanography: An Invitation to Marine Science (with OceanographyNow, InfoTrac) Oceanography: An Invitation to Marine Science, 7th Edition Eldest (Inheritance Cycle, Book 2) (The Inheritance Cycle) The Silence of War: An Old Marine in a Young Marine's War The Carbon Farming Solution: A Global Toolkit of Perennial Crops and Regenerative Agriculture Practices for Climate Change Mitigation and Food Security Carbon Shock: A Tale of Risk and Calculus on the Front Lines of the Disrupted Global Economy Low Energy Low Carbon Architecture: Recent Advances & Future Directions (Sustainable Energy Developments) Carbon-Neutral Architectural Design The Post Carbon Reader: Managing the 21st Century's Sustainability Crises Protein Skimming & Activated Carbon Secrets Carbon Monoxide Poisoning Carbon Democracy: Political Power in the Age of Oil Oceanography and Seamanship Introducing Oceanography (Introducing Earth and Environmental Sciences) Essentials of Oceanography How the Ocean Works: An Introduction to Oceanography Essentials of Oceanography (12th Edition)

[Dmca](#)