



# Introductory Oceanography (10th Edition)

*By Harold V. Thurman, Alan P. Trujillo*

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**Introductory Oceanography (10th Edition)** By Harold V. Thurman, Alan P. Trujillo

The 10th edition of this popular book continues to provide an excellent foundation in science by examining the vast body of oceanic knowledge. Spanning the disciplines of geology, chemistry, physics, and biology, it allows readers to have a fundamental understanding of how oceans work. Interwoven within the book are hundreds of photographs, illustrations, real-world examples, and applications that make the material relevant, accessible, and entertaining. Well-organized and clearly written, this book covers scientific inquiry and gives an historical look at the study of oceanography; the origins of life, the earth, and the oceans; plate tectonics; marine provinces; marine sediments; water and seawater; air-sea interaction; ocean circulation; waves, tides, and coastlines; biological productivity and the marine habitat; marine resources; and environmental concerns. This book is intended to help readers in their quest to find out more about oceans. Because of its comprehensive scope and excellent resource materials, it can also serve as an excellent reference work for those involved in oceanography.

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## **Editorial Review**

From the Publisher

A popular introduction to the study of the world's oceans that provides a straightforward and comprehensive presentation of the subject. It covers fundamental topics such as the origins of marine life, the physical properties of the oceans, and the chemistry of water. The book approaches marine biology from an environmental perspective rather than a taxonomic one.

From the Back Cover

**TAKEN AS A WHOLE, EARTH'S OCEANS COMPRISE ONE OF ITS LARGEST INTERACTING, INTERRELATED, AND INTERDEPENDENT SYSTEMS.** As humans continue to impact Earth systems, it is important to understand not only how the oceans operate, but also how the oceans interact with Earth's other systems, such as the atmosphere, biosphere, and hydrosphere. *Introductory Oceanography, Tenth Edition*, is designed to introduce the non-science student to perhaps this most integrated of all physical sciences through clear explanations, abundant illustrations, and compelling, relevant examples and applications.

### **New to this edition:**

- Students Sometimes Ask: Common (often entertaining) questions, with answers.
- New word etymons, which help demystify scientific jargon.
- Coverage of the most recent discoveries in oceanography, profiled in over 30 new feature boxes.
- Over 100 new photos and illustrations.
- New appendix: Careers in Oceanography.

### **About the Author**

**Harold V. Thurman.** Hal Thurman retired in May 1994, after 24 years of teaching in the Earth Sciences Department of Mt. San Antonio College in Walnut, California. Interest in geology led to a bachelor's degree from Oklahoma A & M University, followed by seven years working as a petroleum geologist, mainly in the Gulf of Mexico, where his interest in the oceans developed. He earned a master's degree from California State University at Los Angeles and then joined the Earth Sciences faculty at Mt. San Antonio College. Other books that Hal has coauthored include *Essentials of Oceanography* (with Alan Trujillo) and a marine biology textbook. He has also written articles on the Pacific, Atlantic, Indian, and Arctic Oceans for the 1994 edition of *World Book Encyclopedia* and served as a consultant on the National Geographic publication, *Realms of the Sea*. He still enjoys going to sea on vacations with his wife Iantha.

**Alan P. Trujillo.** Al Trujillo teaches at Palomar Community College in San Marcos, California, where he is co-Director of the Oceanography Program and Chair of the Earth Sciences Department. He received his bachelor's degree in geology from the University of California at Davis and his master's degree in geology from Northern Arizona University, afterward working for several years in industry as a developmental geologist, hydrogeologist, and computer specialist. Al began teaching in the Earth Sciences Department at Palomar in 1990 and in 1997 was awarded Palomar's Distinguished Faculty Award for Excellence in Teaching. He has coauthored *Essentials of Oceanography* with Hal Thurman and is a contributing author for other Earth science textbooks, including *Earth*, 7th edition and *Earth Science*, 10th edition. In addition to

writing and teaching. Al works as a naturalist and lecturer aboard natural history expedition vessels in Alaska and the Sea of Cortez/Baja California. His research interests include beach processes, sea cliff erosion, and computer applications in oceanography. Al and his wife, Sandy, have two children, Karl and Eva.

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