

Botany

AN INTRODUCTION TO PLANT BIOLOGY FOURTH EDITION

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As one of the oldest sciences, plant biology continues to develop and evolve over time as new information is introduced and environmental changes occur. The *Fourth Edition* of **Botany: An Introduction to Plant Biology** provides a thorough and current overview of the fundamentals of botany while retaining the important focus of natural selection, analysis of botanical phenomena, and diversity. Students are first introduced to topics that should be most familiar (plant structure), proceed to those less familiar (plant physiology and development), and conclude with topics that are likely least familiar to the introductory student (genetics, evolution, and ecology). Sections are written to be self-contained, allowing topics to be covered in various orders.

New and Key Features of the Fourth Edition

- All diversity material now adheres to the most widely accepted current phylogenetic groupings of plants.
- Classification and systematics chapters have been revised to center on cladistics.
- Cladograms have been added throughout the text to present classes and orders.
- The updated **BotanyLinks** Web site provides students with original Web-integrated activities and direct links to online resources.
- A new set of boxes, **Alternatives**, encourages students to think expansively about alternative aspects of plant biology that are more advantageous in certain conditions.
- New and updated **Plants Do Things Differently** boxes help students understand and compare plant biology with human biology.
- End of chapter study guide includes nearly 50 or more questions in each chapter, leading students to the most important points in the chapter.
- Dynamic art program with many original photographs brings the text to life.
- An Instructor's ToolKit CD-ROM provides a wealth of teaching and learning tools designed to enhance classroom presentations.



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