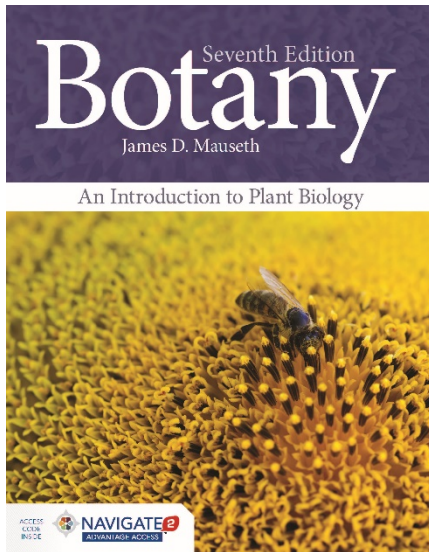

TRANSITION GUIDE



James D. Mauseth, PhD

ISBN: 978-1-284-15735-2
Hardcover with Access Code
800 pages • © 2021

Connect with JBL

Facebook:

<https://www.facebook.com/jonesbartlettlearning/>

Twitter:

@JBLearning

Blog:

<https://blogs.jblearning.com/science>

This transition guide serves to outline the updates and new content found in *Botany: An Introduction to Plant Biology, Seventh Edition*.

OUTSTANDING FEATURES

- **Thinking About Thinking.** A new box type covering topics including evidence-based decision making, designing experiments, reductionist, and holistic thinking
- **Updated Lab Manual.** A new edition of our full-color, spiral-bound lab manual with additional case studies and image labeling activities
- **Writing Style.** Dr. Mauseth's approachable writing style makes this text accessible to both majors and non-majors
- **Plants & People.** This text emphasizes how plants and people influence one another; how they are similar and how they are different
- **Anatomy & Physiology.** Dr. Mauseth's narrative expertly connect structure to function in plants and supported with *Botany in Action* animations

REVISION UPDATES

- All Content has been reviewed and updated to reflect changes in the field of botany
- There are now 5 parts to this textbook, instead of 4
- Chapter 24: Ethnobotany is now Chapter 3
- 20 new box features
- "At the Next Level" has been expanded with new topics

APPLICABLE COURSES

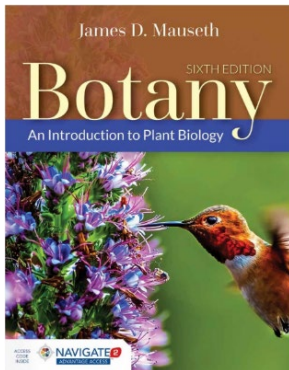
- General Botany
- Basic Botany
- Plant Biology
- Molecular Genetics: General Plant Biology
- Morphology of Higher Land Plants
- Advanced Botany

INSTRUCTOR RESOURCES

- Lecture Slides in PowerPoint format
- Test Bank materials
- Answers to odd-numbered questions
- Instructor's Manual
- Image Bank, including unlabeled versions of many illustrations for easy incorporation into course materials
- Weblink list of useful and relevant web sites
- Videos that provide students with a visual learning tool
- Audio glossary
- Animations that show plant cells working at the biological level
- Lab Manual, available as a bundle option with the primary text
- Navigate 2 platform with an interactive eBook and course management tools, including an Assessment center with prepopulated quizzes, exams, and Study Tools for students

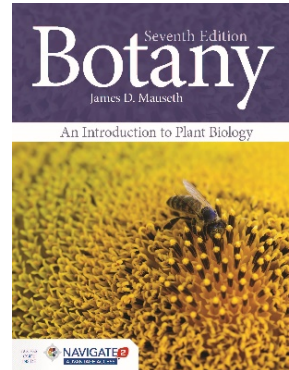
CHAPTER OUTLINE

This chapter outline has been created to help you easily transition to the *Seventh Edition*. Note that chapter content from the *Sixth Edition* may now be found in a different chapter in the *Seventh Edition*. Also note that chapter numbers and titles may have been updated.



Botany: An Introduction to Plant Biology, Sixth Edition

By **James D. Mauseth, PhD**



Botany: An Introduction to Plant Biology, Seventh Edition

By **James D. Mauseth, PhD**

6th Edition	7th Edition
Chapter 1 Introduction to Plants and Botany	Part 1 Welcome to Botany
Chapter 2 Overview of Plant Life	Chapter 1 Introduction to Plants and Botany
Part 1 Plant Structure	Chapter 2 Overview of Plant Life
Chapter 3 Cell Structure	Chapter 3 Ethnobotany: Plants and People
Chapter 4 Growth and Division of the Cell	Part 2 Plant Structure
Chapter 5 Tissues and the Primary Growth of Stems	Chapter 4 Cell Structure
Chapter 6 Leaves	Chapter 5 Growth and Division of Cells
Chapter 7 Roots	Chapter 6 Tissues and the Primary Growth of Stems
Chapter 8 Structure of Woody Plants	Chapter 7 Leaves
Chapter 9 Flowers and Reproduction	Chapter 8 Roots
Part 2 Plant Physiology and Development	Chapter 9 Structure of Woody Plants
Chapter 10 Energy Metabolism: Photosynthesis	Chapter 10 Flowers and Reproduction
Chapter 11 Energy Metabolism: Respiration	Part 3 Plant Physiology and Development
Chapter 12 Transport Processes	Chapter 11 Energy Metabolism: Photosynthesis
Chapter 13 Soils and Mineral Nutrition	Chapter 12 Energy Metabolism: Respiration
Chapter 14 Development and Morphogenesis	Chapter 13 Transport Processes

Chapter 15 Genes and the Genetic Basis of Metabolism and Development	Chapter 14 Soils and Mineral Nutrition
Part 3 Genetics and Evolution	Chapter 15 Development and Morphogenesis
Chapter 16 Genetics	Chapter 16 Genes and the Genetic Basis of Metabolism and Development
Chapter 17 Population Genetics and Evolution	Part 4 Genetics and Evolution
Chapter 18 Classification and Systematics	Chapter 17 Genetics
Chapter 19 Algae and the Origin of Eukaryotic Cells	Chapter 18 Population Genetics and Evolution
Chapter 20 Nonvascular Plants: Mosses, Liverworts, and Hornworts	Chapter 19 Classification and Systematics
Chapter 21 Vascular Plants Without Seeds	Chapter 20 Algae and the Origin of Eukaryotic Cells
Chapter 22 Seed Plants I: Gymnosperms	Chapter 21 Nonvascular Plants: Mosses, Liverworts, and Hornworts
Chapter 23 Seed Plants II: Angiosperms	Chapter 22 Vascular Plants Without Seeds
Chapter 24 Ethnobotany: Plants and People	Chapter 23 Seed Plants I: Seed Plants Without Flowers (“Gymnosperms”)
Part 4 Ecology	Chapter 24 Seed Plants II: Angiosperms
Chapter 25 Populations and Ecosystems	Part 5 Ecology
Chapter 26 Community Ecology	Chapter 25 Populations and Ecosystems
Chapter 27 Biomes	Chapter 26 Community Ecology
	Chapter 27 Biomes