

Holt Biology Introduction To Plants Directed

Botany: An Introduction to Plant Biology

Newly updated, Botany: An Introduction to Plant Biology, Fourth Edition provides an current, thorough overview of the fundamentals of botany. The topics and chapters are organized in a sequence that is easy to follow, beginning with the most familiar -- structure -- and proceeding to the less familiar -- metabolism -- then finishing with those topics that are probably the least familiar to most beginning students -- genetics, evolution, the diversity of organisms, and ecology. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

Holt Science and Technology

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.

Botany

Botany: An Introduction to Plant Biology, Seventh Edition provides a modern and comprehensive overview of the fundamentals of botany while retaining the important focus of natural selection, analysis of botanical phenomena, and diversity.

Holt Biology

The main aim of this book is to provide a developmental perspective to plant anatomy. Authors Steeves and Sawhney provide fundamental information on plant structure and development to students at the introductory level, and as a resource material to researchers working in nearly all areas of plant biology i.e., plant physiology, systematics, ecology, developmental genetics and molecular biology. The book is focused on angiosperm species with some examples from different groups of plants. "Essentials of Developmental Plant Anatomy" starts with an introductory chapter and a brief introduction to plant cell structure, which is followed by the structure of the flower, plant reproduction (vegetative and sexual) and the development and structure of embryo - the precursor to the plant body. Each chapter then deals with essential information on the shoot system, diversity of plant cells and tissues, the structure and development of the stem, leaf, root, and the secondary body.

Botany: An Introduction to Plant Biology

Long acclaimed as the definitive introductory botany text for majors, "Biology of Plants" is especially known for its comprehensive coverage and its magnificent art program. The new edition offers a wealth of new information, especially in the areas of taxonomy, genomics, plant hormones, and Arabidopsis research.

Chapter Resource 23 Introduction to Plants Biology

This introductory text in botany discusses photosynthesis and respiration at three levels. It emphasizes current interests of students, including subjects such as global warming, ozone-layer depletion, acid rain, genetic engineering, organic gardening, pollution and recycling, houseplants, backyard vegetable gardens, natural dye plants, poisonous and hallucinogenic plants, and the nutritional value of edible plants.

An Introduction to Plant Biology

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Chapter Resource 23 Introduction to Plants Biology

Many of the silky-haired seeds being released from the splitting pod of a milkweed shown on the cover were presumably blown away and eventually germinated, probably in a grassy area. There are about 120 species of milkweed (*Asclepias*), all known for the milky latex they produce, and for being host plants to the caterpillars of monarch butterflies. Other insects, birds, and animals tend to shun milkweeds because the latex is bitter, but Native Americans used infusions of roots for at least 1,000 years to treat respiratory ailments and fevers. In the past, similar root infusions were also widely used in American medicine as an expectorant, and to treat cancers. The flowers, as

shown in the Chapter 23 opener, are elegant. Book jacket.

Essentials of Developmental Plant Anatomy

This is a classic textbook on the subject of plant biology, first published in 1920. It offers the reader an elementary course on the scientific method while exploring the relationship between plant life and general biological knowledge. Originally intended for use in schools and universities, this comprehensive textbook is a great place to start for readers with an interest in botany and related subjects. Contents include: "The Plant as a Machine", "The Cell", "Respiration", "The Water Relations of Plants", "Absorption of Mineral Salts", "Carbon Assimilation", "The Assimilation of Nitrogen by Plants", "The Nutrition of Heterophic Plants", "Enzymes", "Reproduction", "Reproductions", "Reproductions (continued)", etc. Many vintage books such as this are increasingly scarce and expensive. It is with this in mind that we are republishing this volume now in an affordable, modern, high-quality edition complete with a specially-commissioned new introduction on botany.

Holt Biology Chapter 24 Resource File: Plant Reproduction

Stresses the scientific foundation concerned with the growth and care of plants common to all horticultural commodities. Incorporates the principles behind techniques described in other ``how-to" horticulture texts. Will successfully prepare students for more specialized courses including nursery management, floriculture, landscaping, vegetable and fruit science.

An Introduction to Structural Botany

Written as a textbook for a first course in plant physiology, this book introduces the student to the fundamental

concepts of how plants work within a framework of historical origins and modern experimental evidence.

Plant Biology

Excerpt from Guide to the Study of Common Plants: An Introduction to Botany These exercises have been prepared for classes in high schools and other institutions of similar grade, and are intended to indicate, in a general way, the nature of the work that in the judgment of the writer should be undertaken with young people who are just beginning the systematic study of common forms of plant life. They were suggested by frequent inquiries of teachers regarding the preparation in botany now required for admission to the University of Michigan. No originality is claimed for the subject-matter or its treatment, although much time has been spent in the effort to develop a natural and practicable method of approaching the study of living things. While the study of relationship holds the first place, the attention of the pupil is directed at every step to the physiological significance of observed facts; and although this will hardly be approved by those who attempt to separate sharply the domain of morphology from that of physiology, it has seemed to the writer better to follow Nature than be cramped by such artificial barriers. Some of the exercises will perhaps appear too simple and others too difficult, but a judicious selection on the part of the teacher will do much to correct this. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

An Introduction to Plant Biology

For introductory courses in Plant Science, and Horticulture found in departments of agriculture or biology. This comprehensive introduction to plant science offers a scientific and substantive approach in a format that addresses the learning styles of today's students. (Formerly Hartmann, Plant Science: Growth, Development and Utilization of

Cultivated Plants, 2/E, 1988.)

Biology of Plants

This introductory text assumes little prior scientific knowledge on the part of the student. It includes sufficient information for some shorter introductory botany courses open to both majors and nonmajors, and is arranged so that certain sections can be omitted without disrupting the overall continuity of the course. Stern emphasizes current interests while presenting basic botanical principles.

Introductory Plant Biology

Plants are a fundamental part of the biosphere and their evolution has directly affected animal life, and the Earth's climate. This Very Short Introduction provides a concise account of the nature of plants, their variety, their evolution, and their importance and uses, stressing the importance of conservation for the future.

An Introduction to Plant Biology

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Biology

A textbook for undergraduate students which considers the diversity of plants, how they function, and the central role they play in our ecosystem. Annotation copyrighted by Book News, Inc., Portland, OR

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A Textbook of Plant Biology

Fear and Loathing in an Introduction to Plant Biology

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