

The Plant World

ONLINE

THE PLANT WORLD ONLINE

Additional Databases

Ethnobotany
What Is Ethnobotany • The Classification of Plants • The Emergence of Agriculture • Plants as Medicine • The Relationship Between Native Americans and Plants • How Plants Create Cultures • The Rain Forests of the World • Ethnobotany and Conservation
SUPPORT MATERIALS Glossary • Key People • Image Gallery • Video Gallery

Forestry
Welcome to the Forest Planet • The Physiology of How Trees Grow • Forest Gymnosperms • Angiosperms • Intra-forest Dynamics • Ecology • Forest Animals • Fire in the Forest
SUPPORT MATERIALS Glossary • Special Essays • Image Gallery • Video Gallery

Horticulture
10,000 Years of Horticulture • Classification of Plants • Propagation and Breeding • Cultural Requirements • Ecology and Pest Management • Commercial Horticulture • Garden Design • Horticultural Professions
SUPPORT MATERIALS Glossary • Key People • Image Gallery • Video Gallery

Photosynthesis and Respiration
Harvesting the Sun • A Short Course in Bioenergetics • Light-Dependent Reactions • Fixing Carbon • Retrieving Energy and Carbon • Photosynthesis and the Environment • An Evolutionary History of Energy Metabolism
SUPPORT MATERIALS Glossary • Special Essays • Image Gallery • Video Gallery

Support Materials

Teacher Resources
Discussion Questions, Activities and Projects, Assessment Questions, Handouts and more

Special Feature
Effect Europe from Genetically Modified Organisms
Putting Genetically Modified Organisms in Perspective
Genetic Modification is a relatively new technology that has made some critics worry about the impact these foods may have on their health and the environment. more...

Targeted, Focused BIOLOGY Content

Biodiversity hotspots

Hotspots explained
Biodiversity hotspots are small regions, a rich concentration of endemic species of plants and animals that are found with exceptionally high levels of habitat loss.

Key words
Biodiversity
Genetic Adaptation
Evolution

Hotspots explained
A recent investigation identified 34 areas containing the most threatened species of plants and animals on Earth. 23 percent of Earth's surface is now considered at risk of tropical rainforests and 30 percent of all species are now threatened.

Printable Materials

High-quality Videos

Excerpt from: Life Processes of Plants (Cambridge Educational)
Vascular plants include grasses, trees, and flowering plants that are both gymnosperms and angiosperms. Non-vascular plants include hornworts, liverworts, and mosses.

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The *Plant World Online* explores the most interesting aspects of plant biology, with a focus on the interrelationships between plants and humans, through engaging text, videos, and images. Covering everything from forestry to photosynthesis, the Learning Units provide a detailed look at the natural processes that create, build, and sustain life. This eLearning Module is an essential resource for students interested in plant biology and the way human life plays a role in nature's everyday processes.

Learning Unit Chapters

Each eLearning Module is divided into Learning Units, displayed in chapters, with high-quality images, sidebars, in-text links, and dynamic citations. Support materials for each chapter are also conveniently located, allowing for seamless in-class integration. Learning Units in *The Plant World Online* include:

- | | |
|--------------------------------|-------------------|
| Ethnobotany | Plant Development |
| Forestry | Plant Diversity |
| Horticulture | Plant Ecology |
| Photosynthesis and Respiration | Plant Genetics |
| Plant Biotechnology | Plant Nutrition. |
| Plant Cells and Tissues | |

Features:

- Correlations to Common Core, state, and national educational standards
- Proprietary content
- High-quality Flash® videos
- Activities and projects
- Assessment questions with answer keys
- Discussion questions
- Learning objectives
- Printable materials
- Support materials
- Media galleries
- Read Aloud audio tool
- Google Translate on every page, with 53 languages to choose from
- Dynamic full citations
- Search results with hit highlighting and Search Assist technology
- Print and email capabilities and text-size tool
- Persistent record links
- Usage statistics.

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eLearning Modules

eLearning Modules titles include:

CAREERS AND GUIDANCE

Exploring Career Clusters Online
Top Careers with a Two-Year Degree Online

SCIENCE

Biomes of the Earth Online
Energy and the Environment Online
Essential Chemistry Online
Genes and Disease Online
Genetics and Evolution Online
Global Warming Online
Green Technology Online
The Human Body: How It Works Online
Physics in Action Online
The Plant World Online

U.S. HISTORY

America at War Online
Life in America Online
Your Government: How It Works Online

WORLD HISTORY

Global Exploration Online
Great Empires of the Past Online

COMING SOON!

Character Education Online
Healthy Eating Online
Understanding Drugs Online

Enriched Online Resources Engage Students on Core-curriculum Topics

Reference Solutions Made Easy

Our new eLearning Modules provide focused, targeted coverage of core-curriculum topics. Designed for libraries and classrooms, eLearning Modules are a unique combination of our multivolume print series with rich media, including high-quality educational videos, images, instructor resources, and support materials that were created specifically to align with the content for a seamless learning experience.

Bring Learning to Life

Students will find these online resources engaging and simple to use. Instructors, curriculum coordinators, and principals will appreciate the easy integration into classroom learning and the wide assortment of invaluable support materials and instructor resources, including activities, discussion and assessment questions, and printable materials. Librarians will be able to offer their students and patrons quick access to homework and research help.

Engaging Online Resources for Today's Students

eLearning Modules are also excellent for distance learning, study abroad, and tutoring programs. These dynamic and compelling online resources pick up where textbooks leave off, bringing the subject matter to life. eLearning Modules are the perfect solution to every educator's goal: helping students achieve their best.

ALSO OF INTEREST:

Streaming Video

Comprehensive, multi-subject streaming video subscription services providing unlimited access to 13,000 full-length videos and 207,000 video clips.

Online Databases

Award-winning, exclusive reference content in a variety of subject areas, perfect for any institution.

eBooks & Print

Core-curriculum and high-interest K-12 and reference eBook and print offerings that will become a lasting part of your library's holdings.

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