GAMCO Educational Software

Biology Concepts 5-10

Active and effective learning at its best

Biology concepts come alive with this dynamic series of video-based, multimedia programs. Students become active note takers, problem solvers, and real scientists as they work through engaging activities involving carbon dioxide and water cycles, the breakdown of enzymes and the process of fermentation, plant pigmentation and plant leaves, living and non-living organisms, and different types of pollution. After receiving appropriate video-driven background information, students are constantly challenged to hypothesize, analyze data, and draw conclusions.

BIOLOGY CONCEPTS: CELLULAR RESPIRATION

Key Skills include:

- Defining energy and cellular respiration
- Understanding the process of cellular respiration
- Explaining anaerobic and aerobic respiration

BIOLOGY CONCEPTS: ECOLOGY

Key Skills include:

- Comparing and contrasting photosynthesis and respiration
- Explaining how plants and animals are dependent on each other
- Understanding the conditions needed for evaporation and condensation

BIOLOGY CONCEPTS: LIFE & NON-LIFE

Key Skills include:

- Distinguishing between life and non-life
- Determining the characteristics of living and non-living organisms
- Researching the existence of life on Mars

Series Benefits

- Video instruction presents concepts clearly
- Interactive video in scientific inquiry encourages students to design investigations, observe, gather evidence, and take notes
- Video vocabulary defines important scientific terms
- Interactive video review questions reinforce facts
- Internet activities expand subjects outside the class
- Lots of teacher resources

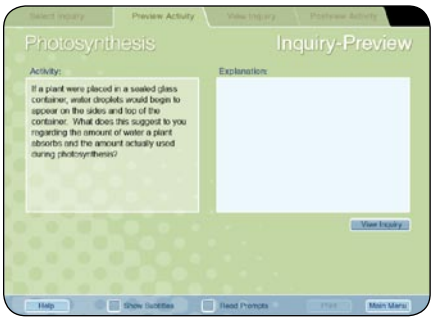
Series Applications

- Use to supplement traditional instruction with inquiry-based activities
- Perfect for all ability levels due to its extensive use of multimedia

Enrichment Core Remedial

K	1	2	3	4	5	6	7	8	9	10	11	12

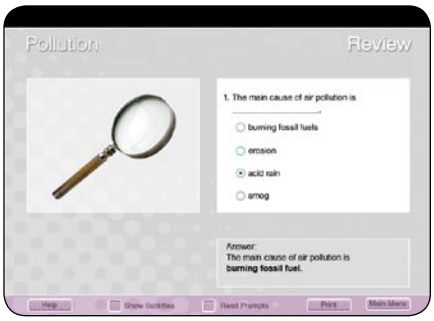
BIOLOGY CONCEPTS: PHOTOSYNTHESIS



Key Skills include:

- Understanding the nature of light
- Defining the visible spectrum
- Explaining the role of plant pigments
- Understanding how water flows from plants to leaves

BIOLOGY CONCEPTS: POLLUTION



Key Skills include:

- Explaining the conditions of air, land, and water pollution
- Predicting the effects of rainfall on smog conditions and how smog affects living organisms
- Understanding which materials are biodegradable and why

PRICING		$89.00	$267.00	$445.00
Title	Platform	One Computer	Labs (5)	Net/Site (unlimited)
Cellular Respiration	MAC/WIN CD	23008	23008L	23008S
Ecology	MAC/WIN CD	23004	23004L	23004S
Life & Non-life	MAC/WIN CD	23006	23006L	23006S
Photosynthesis	MAC/WIN CD	23007	23007L	23007S
Pollution	MAC/WIN CD	23005	23005L	23005S
BUNDLE & SAVE		$395.00	$790.00	$1,580.00
Includes all 5 Titles	MAC/WIN CD	23003	23003L	23003S