

NEW EDITIONS INTEGRATED NGSS SERIES



eBOOKs for all BIOZONE student books

We are excited to announce the launch of eBOOKs for ALL of BIOZONE's critically acclaimed student books.



More information on pages 2-3

www.theBIOZONE.com/ebooks

Course Books

Digital Resources - eBOOKs	2
Digital Resources - Biozone Academy	4
NON-Integrated NGSS Rubric	6
Integrated NGSS	7
The Living Earth	8
Chemistry in the Earth System	10
Physics of the Universe	11
What Does Non Integrated NGSS Look	
Like?	12
Biology for NGSS Series	14
Earth and Space Sciences	
for NGSS Series	16
AP Biology Series	18
IB Biology Series	20
Environmental Science	22
Anatomy and Physiology	23

Modular Books

Cell Biology & Biochemistry	24
Human Evolution	24
Microbiology & Biotechnology	25
Genes & Inheritance	25
Evolution	26
Health & Disease	26
Ecology	27
Skills in Biology	27

Presentation Media

Presentation Media Bundles Inside Back Cover

Dear Science Educator,

These are exciting times for BIOZONE. Not only have we been very busy creating whole new programs of instructional materials for the many NGSS rollouts across the US, we have also been busy developing digital versions of many of our print book titles.

eBOOKs

We are delighted to launch eBOOK versions of our printed books. These provide a replica of the printed pages, with numerous enhancements, including: weblinks, 3D models, and embedded questions. The eBOOKs are also available at half price if you combine them with an order for the print books. They are designed for a class enrolment, so single purchases are not possible (however do ask for a free trial).

Integrated NGSS Series

We have successfully launched our new NGSS series for the California market. The Living Earth os receiving high praise from early adopters of the inspired new style of instructional resource. In full color, it integrates earth and space sciences with each of the three traditional sciences.

AS always, please get in touch if you have any queries.

Warmest regards,







The Sales Team BIOZONE Corporation

P.S. Don't forget you can sign up to our newsletter and receive exclusive discounts, full product previews, free samples and new product releases. Sign up on our home page: thebiozone.com

Digital **RESOURCES**

Introducing eBOOKs

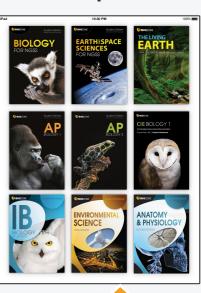
BIOZONE's new eBOOKs are viewable through any web browser or via the **BIOZONE Reader App** on iOS (for iPAD). The licences are provided for a period of one year.

They can be purch ased as a stand alone eBOOK, or you can add them to a print book order and get the eBOOK at half price.

Minimum quantities apply

Launch Date: September 2018





eBOOK Title List

Biology for NGSS	\$19.95
Earth & Space Sciences for NGSS	\$19.95
The Living Earth	\$19.95
AP Biology 1	\$24.95
AP Biology 2	\$24.95
CIE Biology 1	\$19.95
CIE Biology 2	\$19.95
IB Biology	\$29.95
Environmental Science	\$19.95
Anatomy & Physiology	\$19.95

Cell Biology & Biochemistry	\$9.95
Human Evolution	\$9.95
Microbiology & Biotechnology	\$9.95
Genes & Inheritance	\$9.95
Evolution	\$9.95
Health & Disease	\$9.95
Ecology	\$9.95
Skills in Biology	\$9.95

*Also available as a Print book/eBOOK bundle at half price when purchased together with the corresponding print title (minimum quantities apply).

Free 14 day Trial Request your Teacher trial at: theBIOZONE.com/ebooks

Technical Notes:

Web browser requires a live internet connection. iPAD app stores the book offline and synchronizes when an internet connection is available.

NOTE: These eBOOKs are not suitable for small mobile devices, such as smartphones.

Browser Support:

Recent browser versions:

Windows 8/10	(IE, Chrome, Firefox)
Mac OS 10.10+	(Safari, Chrome)
Chromebook	(Chrome)

iPad App: iOS 9.0 or above

2

eBOOKS

How it works

ENRICHMENTS:

A variety of enrichment resources are available for many activities:

- Display annotated 3D models
- Website links (3rd party)
- Video clips

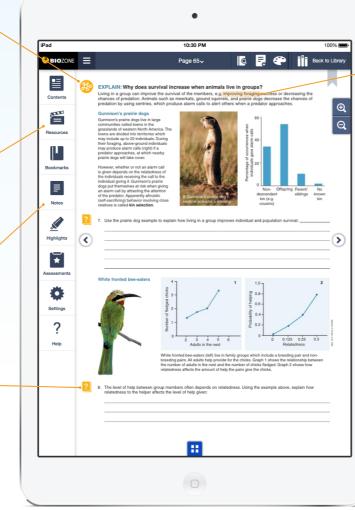
RESOURCES:

Students and teachers can see all the additional resources and enhancements available throughout the book

ADD NOTES:

Students can access previously added notes to highlighted text or to any other part of the page.

EMBEDDED QUESTIONS:





SELECTED TEXT:

A comprehensive collection of MARKUP tools allow students to interact with text:

- Color highlight
- Dictionary definition
- Access Google search
- Access Wikipedia lookup

TEACHER QUIZZES:

Teachers can create their own quizzes for student assessment from a selection of question types, including:

- Multichoice
- Matching
- Fill in the blanks
- Free response



SIMPLE DRAWING TOOLS:

A simple collection (above) of drawing tools allow students to interact with images:

- Draw over a diagram
- Choose pen type and color
- Eraser removes unwanted user drawing

Digital **RESOURCES**

BIOZONE ACADEMY

The BIOZONE Academy transforms our highly engaging student books from print media into an online course.

The added enhancements of 3D models, animations, videos, weblinks and simulations provide an exciting interactive experience for students.

Early access to the Beta version is available now.

<complex-block>

The Role of Membranes in Cells

$\stackrel{\circ}{\mathcal{D}}$ Teacher

- Easily create and manage virtual classrooms
- Assign homework to a class with the push of a button
- Save time with speed-grading
- Personalize your course with your own teacher-curated resources



- Personalize their learning experience by adding their own notes
- Understand the focus of the page through the clearly identified key idea
- Build deeper understanding with scaffolded content



access at theBIOZONE.com/academy

• BIOZONE ACADEMY: \$19.95 annual subscription per student (teachers access is free of charge)

A · (P)

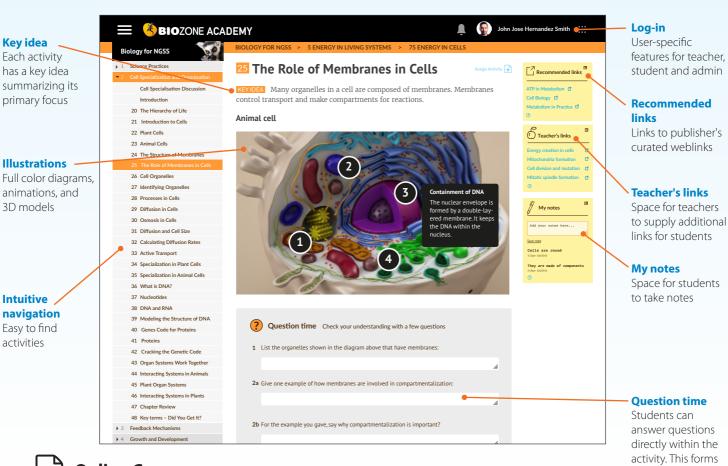
BIOZONE ACADEMY

Each activity has a key idea summarizing its primary focus

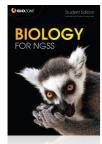


animations, and 3D models

navigation Easy to find



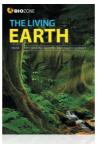
Online Courses



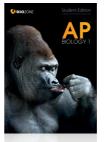
AVAILABLE NOW



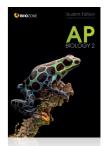
AVAILABLE NOW



COMING SOON



COMING SOON



their record of work

COMING SOON

5

NON-INTEGRATED NGSS Series

BIOZONE's new resources for NGSS have been specifically written to meet the requirements of the NGSS for High School (grades 9-12). They integrate the three dimensions of the standards: **Science and Engineering Practices** (SEPs), **Crosscutting Concepts** (CCCs), and **Disciplinary Core Ideas** (DCIs), addressing the program content through a wide range of engaging student-focused activities.

By completing the activities, students develop competence in science practices, recognize and understand the concepts that link all domains of science, and build the knowledge base required to integrate the three dimensions of the standards to meet performance expectations.

The **Engineering Design** component of NGSS (ETS) has been incorporated as appropriate through activities that engage students in the solution of real world problems. ETS DCIs are integrated with science DCIs sharing the same performance expectations. Throughout, students develop an understanding of the **Nature of Science** through incorporation of its basic principles into activities.

BIOZONE: meeting the key requirements

- Elements of SEPs, DCIs, and CCCs are integrated to support three-dimensional learning.
- Provides coherent instructional sequences to help students demonstrate competence in targeted performance expectations.
- Provides opportunities for students to demonstrate performance of SEPs connected with their understanding of DCIs and CCCs.
 - Develops connections between different science disciplines using CCCs.
- Provides grade appropriate connections to core standards in English and mathematics.
- Engages students in real-world, meaningful scenarios that reflect science practice.

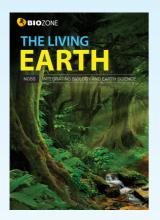




- Develops deeper understanding of the SEPs, CCCs, and DCIs by building on prior knowledge.
- Uses scientifically accurate, grade-appropriate information and representations to support three-dimensional learning.
- Supports differentiated instruction through suggested teaching strategies.
- Provides multiple opportunities for formative, summative, and self-assessment.
- Provides multiple opportunities for students to demonstrate proficiency in all three dimensions of the standards.
- Components of Nature of Science and Engineering Design are evident in the SEPs and CCCs of activities.

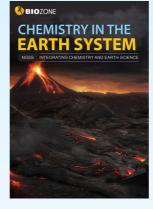
INTEGRATED NGSS Series | Grades 9 - 12

Integrating Earth & Space Sciences with each of the three traditional sciences



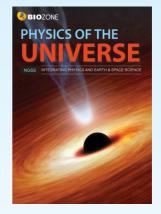
THE LIVING EARTH

- 1. Ecosystem Interactions and Energy
- 2. History of Earth's Atmosphere: Photosynthesis and Respiration
- 3. Evidence of Evolution
- 4. Inheritance of Traits
- 5. Structure, Function, and Growth
- 6. Ecosystem Stability and the Response to Climate Change



CHEMISTRY IN THE EARTH SYSTEM

- 1. Combustion
- 2. Heat and Energy in the Earth System
- 3. Atoms, Elements, and Molecules
- 4. Chemical Reactions
- 5. Chemistry of Climate Change
- 6. The Dynamics of Chemical Reactions & Ocean Acidification



PHYSICS OF THE UNIVERSE

- 1. Forces and Motion
- 2. Forces at a Distance
- 3. Energy Conversion and Renewable Energy
- 4. Nuclear Processes and Earth History
- 5. Waves and Electromagnetic Radiation
- 6. Stars and the Origins of the Universe

Available: NOW

Publication date: Summer-2019

Publication date: Fall-2019

www.theBIOZONE.com/ngss-integrated

THE LIVING EARTH

The Living Earth has been designed and written following the High School Three-Course Model for California. It will also suit NGSS-aligned states integrating Earth Science with Life Science.

This phenomena-based title takes a three-dimensional approach to provide an engaging, relevant, and rigorous program of instruction.

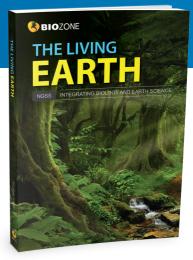
Departing from the more traditional approach of **BIOZONE's** Non-Integrated Series, the Integrated Series offers a learning experience based on the 5 Es and anchored in student-relevant phenomena and problems.

Print Version:

This WORKTEXT is designed to form the student's "record of work" – achieved by providing a write-on format allowing students to write their answers to questions right on the page.

eBOOK Version:

The eBOOK format renders a replica of the printed book. Enrichment features include weblinks, annotated 3D models, and publisher's questions. Teachers can set assignments. Student responses to set questions can be viewed by the teacher.



Online Course Version:

The book will also be available as an online course. Students will be able to answer the questions in an online format. Teachers can set assignments, and student responses to questions can be viewed by the teacher and graded if desired. (See pages 4-5)

THE LIVING EARTH PRODUCT LIST

PRODUCT	ISBN	FORMAT	RRP	Discount Price
The Living Earth - Student Edititon	978-1-927309-55-1	A4 paperback	\$29.95	\$19.95*
The Living Earth - Teacher's Edition	978-1-927309-70-4	A4 paperback	\$85.95	N/A
The Living Earth - Model Answers	978-1-927309-68-1	A4 paperback (B&W)	\$8.95	\$5.95*
The Living Earth - Teacher's Digital Edition $^{\it \Delta}$	978-1-927309-69-8	CD-ROM (1 year license)	\$499.95	\$59.99++
The Living Earth - Classroom Guide	N/A	A4 (downloadable PDF)	FREE	N/A
DIGITAL PRODUCT	ISBN	FORMAT	RRP	eBOOK + Print Bundle
The Living Earth - eBOOK	978-1-98-856623-8	Web Browser / iPad App	\$19.95	\$29.95 ⁰
The Living Earth - BIOZONE Academy	N/A	Online Course	\$19.95	N/A

Pricing represents "introductory pricing" and will change to full pricing on 1 September 2019.

Customers may secure guaranteed continuation of "introductory pricing" for multiple-year purchases.

* Discount price applies to purchases of 30+ copies.

++A discount price is available with orders of 100 or more workbooks when purchasing direct from BIOZONE. Please contact our Sales Team: sales@thebiozone.com

^ATeacher's Digital Edition must be purchased in conjunction with 10+ copies of the corresponding Student Edition.

^O eBOOKs are not for individual sale. (Minimum purchase of 30 + copies of the same title required).

29 Carbon Cycling

ENADE: Elesphere 2 and ta carbon problem Bogenere 2 wes built as a sai which is a said the said of the said of the said said of a faith of enveloped on the said said of the said of enveloped on the said said of the said of the said of the said of the said said decide the said of the said of the said of the said said of the said of th

planners: The prodom immodeling a chick toward how complete is and the product methods and the plant groups about the product methods and the plant groups about the plant groups the plant groups and the plant groups about the plant groups and increasing th

1	What was the effect of the imbalance?
2)	Sinks are able to moderate chemical cycles by absorbing excess chemicals and storing them or relating them storiky. What acted as a moderating sink in Biosphere 2?

DA -

Carbon is the fourth most abundant element in the universe and the 15th most abundant element in the Its ability to form four stable covalent bonds with both other carbon atoms and other elements (especi-scult as oxygen) allows carbon to be the center for an almost unimited number of molecules. The num based (organic) substances far outnumbers the number of inorganic (non carbon base) substances.





Carbon is the 02013 8J020NE interestor ISBN: 978-1-927329-55-1 Dischargering Prohibited

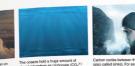






Anna take a state	Biomass
the vost majority of carbon is ocks and in the mantle. Rooks his crust that carry carbon insection).	Ocean
bonates (e.g. III monesses.	Sedimentary
ned by inorganic progenic ind oil) formed from organic ind oil) formed from organic	Fourth

Photocopying Butternation





vallable to living organisms thas in the building of shells te ions form when CO₂ in water. Bicarbonate ions are d above and what form of carbon is found in then

Controlle			

3. How might carbon move between each of these sinks (a)-(d) above?

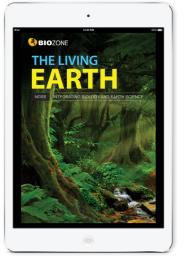
(b)	

(d)

EXPLAIN: The cycling of carbon

It is estimated as a second or carbon in the Earth. Most of this is in the mantle and may come to be surface as less our 1.5 x 10¹⁰ tonnes of carbon in the Earth. Most of this is in the mantle and may come to be surface as less our 1.5 x 10¹⁰ tonnes of carbon in crust, atmosphere, and in the coefficient hold small enclusts of carbon in comparison, but they are significant in terms of their ability is more between reservicin.

Reservoir	Amount in reservoir (gigatonnes (Gt))	Fluxes
Atmosphore	840	Movements included absorption and release by the ocean, and living organisms. Combustion of tossil fuels is adding carbon dioxide to the atmosphere.
Biomass	2610 (610 in plants and animats, ~ 2000 in soil)	Approximately 123 Gt per year is absorbed by photosynthesis, with 120 Gt per year being released by respiration.
Ocean	41,000	About 92 Gt per year is absorbed but 90 Gt per year is released.
Sedimentary rocks	60 million	Exchanges between rocks and other reservoirs and generally very small, in the order of 0.5 Gt per year
Fossil fuels	10,000	About 9 Gt per year into atmosphere from combustion of fossil fuels



eBOOKs (laptop & iPad)

eBOOK format renders a replica of the printed book with students answering questions online



Teacher's Digital Edition Elaborate on and review ideas using the Teacher's Digital Edition with "reveal answers" feature



Online Course Available as an online course with **BIOZONE** Academy



Model Answers Provides suggested answers to all activities



Teacher's Edition Provides teaching strategies, plus all suggested answers in a replica of the student book.

Student Edition

Engage students with write-on activities that forms a premanent "Record of Work"

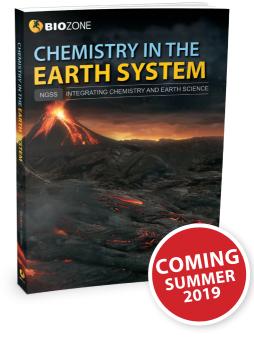
CHEMISTRY IN THE EARTH SYSTEM

Chemistry in the Earth System has been designed and written following the High School Three-Course Model for California. It will also suit NGSS-aligned states integrating Earth Science with Chemistry.

This phenomena-based title takes a three-dimensional approach to provide an engaging, relevant, and rigorous program of instruction.

Departing from the more traditional approach of **BIOZONE's** Non-Integrated Series, the Integrated Series offers a learning experience based on the 5 Es and anchored in student-relevant phenomena and problems.





CHEMISTRY IN THE EARTH SYSTEM PRODUCT LIST

PRODUCT	ISBN	FORMAT	RRP	Discount Price
Chemistry in the Earth System - Student Edititon	978-1-927309-71-1	A4 paperback	\$29.95	\$19.95*
Chemistry in the Earth System - Teacher's Edition	978-1-927309-74-2	A4 paperback	\$85.95	N/A
Chemistry in the Earth System - Model Answers	978-1-927309-72-8	A4 paperback (B&W)	\$8.95	\$5.95*
Chemistry in the Earth System - Teacher's Digital Edition $^{\!\varDelta}$	978-1-927309-73-5	CD-ROM (1 year license)	\$499.95	\$59.99++
Chemistry in the Earth System - Classroom Guide	N/A	A4 (downloadable PDF)	FREE	N/A
DIGITAL PRODUCT	ISBN	FORMAT	RRP	eBOOK + Print Bundle
Chemistry in the Earth System - eBOOK	978-1-927309-94-0	Web Browser / iPad App	\$19.95 ⁰	\$29.95 ⁰

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* Discount price applies to purchases of 30+ copies.

- ++A discount price is available with orders of 100 or more workbooks when purchasing direct from BIOZONE. Please contact our Sales Team: sales@thebiozone.com
- ^A Teacher's Digital Edition must be purchased in conjunction with 10+ copies of the corresponding Student Edition.

^O eBOOKs are not for individual sale. (Minimum purchase of 30 + copies of the same title required).

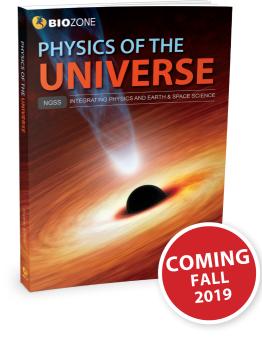
PHYSICS OF THE UNIVERSE

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Physics of the Universe - Student Edititon	978-1-927309-75-9	A4 paperback	\$29.95	\$19.95*
Physics of the Universe - Teacher's Edition	978-1-927309-78-0	A4 paperback	\$85.95	N/A
Physics of the Universe - Model Answers	978-1-927309-76-6	A4 paperback (B&W)	\$8.95	\$5.95*
Physics of the Universe - Teacher's Digital Edition $^{\vartriangle}$	978-1-927309-77-3	CD-ROM (1 year license)	\$499.95	\$59.99**
Physics of the Universe - Classroom Guide	N/A	A4 (downloadable PDF)	FREE	N/A
DIGITAL PRODUCT	ISBN	FORMAT	RRP	eBOOK + Print Bundle
Physics of the Universe - eBOOK	978-1-98-856618-4	Web Browser / iPad App	\$19.95	\$29.95 ⁰

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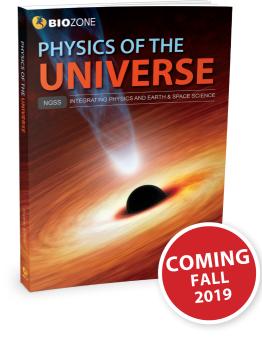
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What does Non-Integrated NGSS look like?

BIOLOGY FOR NGSS **Chapter Introduction page** BIO7ONE EARTHÌSPACE **Cell Specialization** LS1.A SCIENCES **Disciplinary Core Ideas** and Organization Each chapter carries a program code identifying the DCI to which it applies. Key terms Disciplinary core ideas base-pairing rule Show understanding of these core ideas cell Specialized cells provide essential life functions DNA 1 There are two types of cells: prokaryotic and eukaryotic. Plant and animal cells eukarvotic cell 21 22 23 are eukarvotic ce gene 2 Cells contain specialized components called organelles. Each organelle carries 24-33 multicollular out a specialized role in the cell. 3 Many cells are specialized to carry out specific roles. The size, shape, and 34 35 organelle number of organelles in a cell depends on the cell's role. **Key terms** organ system Genes on DNA code for proteins polynucleotide 4 A cell's genetic information is carried in a molecule called DNA. DNA is a 36 37 38 An essential vocabulary list prokaryotic cell polynucleotide; it is made up of many smaller components, called nucleotide joined together. DNA has a double-helix structure. **Disciplinary Core Ideas** protein encourages appropriate use Nucleotides pair together according to the base-pairing rule. Adenine always pairs with thymine and cytosine always pairs with guanine. specialized cell 38 39 DCIs are summarised as of the correct terms when ⁶ A gene is a region of DNA that codes for a specific protein. Proteins carry out most of the work in a cell. The shape of a protein helps it to carry out its job. 40 41 a series of short learning answering questions. Students Multicellular organisms are organized in a hierarchical way outcomes. The activities to can use the list to create a Multicellular organisms exhibit a hierarchical structure of organization. Components at each level of organization are part of the next level. 20 which they relate enable glossary for revision. 8 Multicellular organisms have complex organ systems, made up of many components. Each system has a specific role, but different organ systems interact 42 43 44 the student to meet and work together so that the organism can carry out essential life function performance expectations. Check boxes Students can use the check **Crosscutting Concepts** Crosscutting concepts boxes to indicate the objectives Understand how these fundamental concepts link different topic: The activities relating to each they should complete and tick ¹ SF The determination of DNA's structure required a detailed examits components and enabled its function to be understood. 37 38 40 crosscutting statement are 41 42 them off when finished. 22 23 34 ² SF The functions and properties of cells can be inferred from their identified by their number. components and their overall structure Science and engineering practices **Science and Engineering** Demonstrate competence in these science and engineering practices **Practices** Use a model to show that multicellular organisms have a hierarchical structure 20 22 23 BIOZONE AP and that components from one level contribute to the next. The activities relating to each 2 Use a model to show that parts of a system interact to fulfil life functions 41-43 46 itudent Review Se of the science and engineering Construct and use a model to illustrate the structure of DNA 30 4 Construct an explanation based on evidence for how the structure of DNA 42 practices described are letermines the structure of prote identified by their number.

SIGNIFICANT BENEFITS

Streamline

12

the coverage of extensive curricula.

Concept-based

content allows complex ideas to be broken down into manageable parts.

Student engagement

is maximized, with information, questions and student-required answers all on the same page.

\delta BIOZONE

Critical-thinking

questions build deeper understanding of concepts and practices.



Oxyger

by the

reaction

A 50 cm³ cylinder is upturned in a

small dish of water, excluding the a

Tube transfers

released oxygen Water in

the 50 cm³

displaced by

cylinder is

the oxygen

See full previews:

www.theBIOZONE.com/NBI2

Activity number

Activities are numbered to make navigation through the book easier.

Content organization -

Logically organized content makes it easier for students to access and engage with the information.

Critical thinking questions

A direct questioning style helps students to easily identify what is being asked. A wide range of tasks, including free response, data analysis and presentation, and interpretation and evaluation of evidence, scaffold student learning to build confidence and competence.

Activity coding system -

A task code indicates the type of activity, enabling activities to be assigned appropriately.

Visually rich

content, including clear explanatory diagrams, appeals to today's learning styles.

Activity page

42 Investigating Catalase Activity

Key Idea: The effect of enzyme concentration on enzyme reaction rate can be determined indirectly by measuring the volume of reaction products.

Potato cubes +

excess H₂O₂

Background

Potato contains the enzyme catalase, which decomposes the substrate hydrogen peroxide (H₂O₂) to oxygen and water. Timed for 5 minutes.

Aim and hypothesis

To investigate the effect of potato mass (and therefore enzyme concentration) on the rate of H_2O_2 decomposition. A greater mass of potato will have more enzyme present and will produce a greater reaction rate.

Method

The students cut raw potato into cubes with a mass of one gram. These were placed a conical flask with excess $H_{2}O_{2}$ (right). The reaction was left for five minutes and the volume of oxygen produced recorded. The students recorded the results for three replicates each of 1, 2, 3, 4, and 5 cubes of potato below:

Mass of potato (g)	Volui 5 m	Volume oxygen in 5 minutes (cm ³)		Mean	Mean rate of O ₂ productior (cm ³ min ⁻¹)
	Test 1	Test 2	Test 3		
1	6	5	6		
2	10	9	9		
3	14	15	15		
4	21	20	20		
5	24	23	25		

- 1. Complete the table by filling in the mean volume of oxygen produced and the rate of oxygen production.
- Plot the mass of the potato vs the rate of production on the grid (right):
- 3. Relate the reaction rate to the amount of enzyme present:

4. Why did the students add excess H₂O₂ to the reaction?

- 5. State one extra reaction that should have been carried out by the students
- 6. (a) The students decide to cook some potato and carry out the test again with two grams of potato. Predict the result:

AC

WEB

42

(b) Explain this result:

AC 42 SF

Weblinks provide direct links to useful animations, video clips and illustrative material. Access our dedicated webpage to view the list of weblinks. Letter codes identify each of the **crosscutting concepts** as they apply, linking related concepts in different topic areas and different domains of science.

PRACTICES

Key idea

Each activity has a key idea summarizing its primary focus. The key idea is designed to help facilitate the student's understanding of the message on the page.

Comprehensive diagrams

provide an engaging, highly visual delivery of the important information.

Write-on answers

Students write their answers directly onto the page. This becomes their record of work and helps them when it is time to review for tests and exams.

Activities meeting aspects of the **science and engineering practices** are integrated

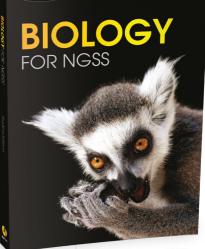
with DCIs and identified through picture codes. These activities provide opportunities for students to develop competence in the practices identified in the standards.

BIOLOGY FOR NGSS

Biology for NGSS has been specifically written to meet the high school life sciences requirements of the Next Generation Science Standards (NGSS). The three dimensions of the standards: science and engineering practices (SEPs), crosscutting concepts (CCCs), and disciplinary core ideas (DCIs) are integrated throughout. Refer to pages 4-5 of this catalog for a detailed overview of how BIOZONE addresses these dimensions.

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- The introduction to each chapter provides the student with clear, achievable learning outcomes, mapping the integration of DCIs, CCCs, and SEPs across a wide range of activities.
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- Specifically designed activities connect the engineering design component of NGSS to DCIs sharing the same performance expectations.



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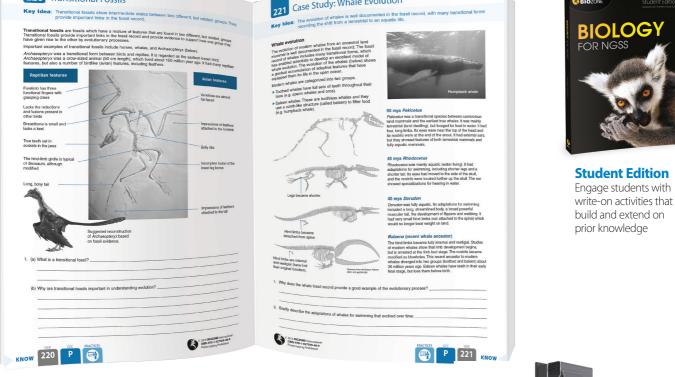
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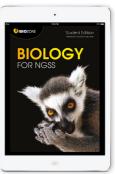
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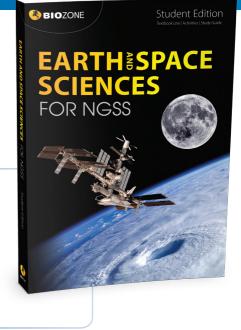
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- outcomes, mapping the integration of DCIs, CCCs, and SEPs across a wide range of activities.
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- Specifically designed activities connect the engineering design component of NGSS to DCIs sharing the same performance expectations.

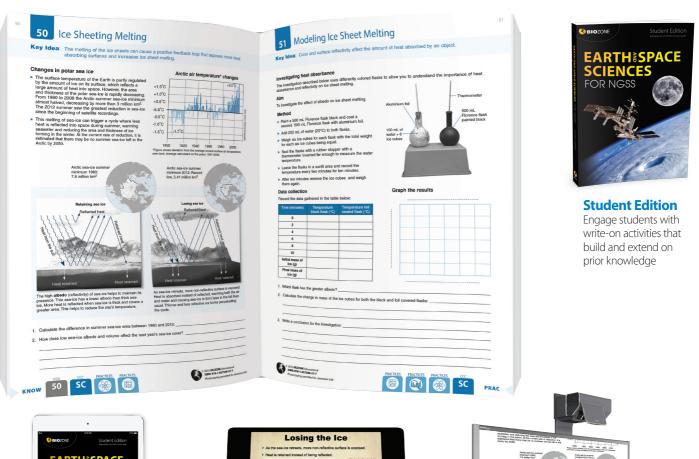


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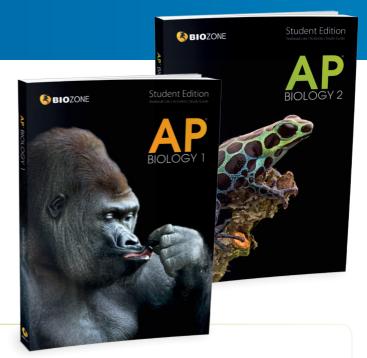
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AP Biology Student Editions are well suited for classroom or homework use, independent study, review, and extension. Together, the two volumes cover all topics.



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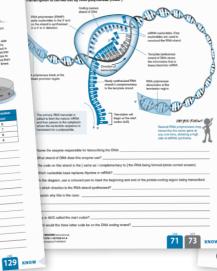
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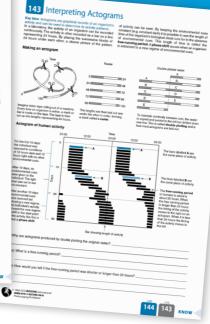
Michael Szczepanik



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(b) Calculate the degrees of

(b) Calculate the degrees of fre

in the previous activity to decide if the test is significant at $\mathsf{P}=0.01$:

to $\chi 2$ table in the previous activity to decide if the test is significant at P=0.01 .

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130 Choice Chamber Investigation

(a) Calculate a χ^2 value for test 1:

esis for test 2: .

Use the results of the two tests to make a st

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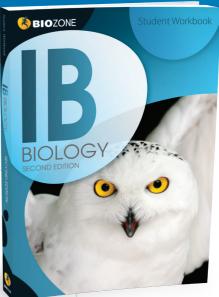
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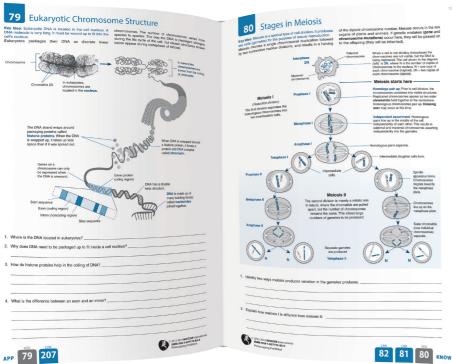
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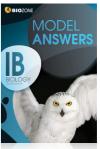
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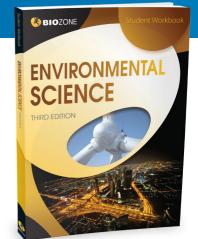
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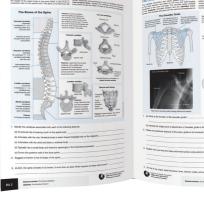
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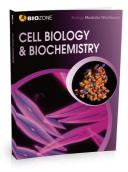
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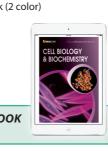
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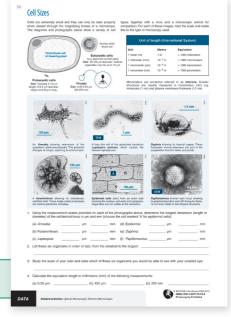


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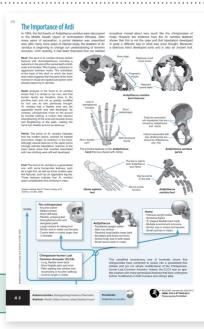
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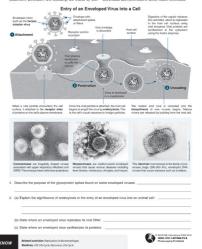
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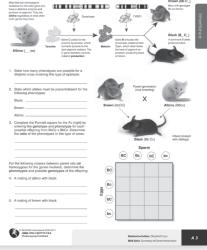


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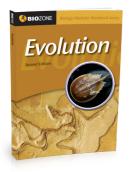




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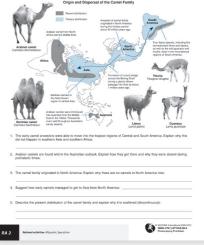
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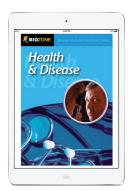
I When very closely related animals (as shown by their anatomy) were present at the same time is widely expanded parts of the work. It is highly probable that there was no bamie to their movement in one or both directions between the localities in the part. Described and the same their control of the same to be an experiment of the same they control of the same by charging same their same they originally coupled. The varies equivalence indication of the same bies original by the movement out of the area they originally coupled.



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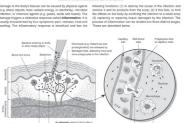


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Inflammation

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ility of blood vessels		phagocytosis		repair
els increase their clameter meability in the area, of his increases blood flow to a and allows defensive to leak into tissue spaces.	->	Within one hour of injury, phagocytes appear on the scores. They squeeze between colls of blood vessel walls to reach the damaged area where they destroy invacting microbes.	->	Functioning cells or supports connective cells create new tiss replace dead or dumaged cells : tissue regenerates easily (skin) others do not at all (cardiac mu

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(b)	
(c)	

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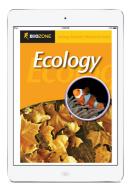
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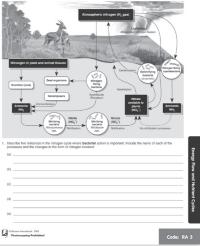
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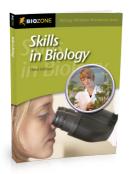




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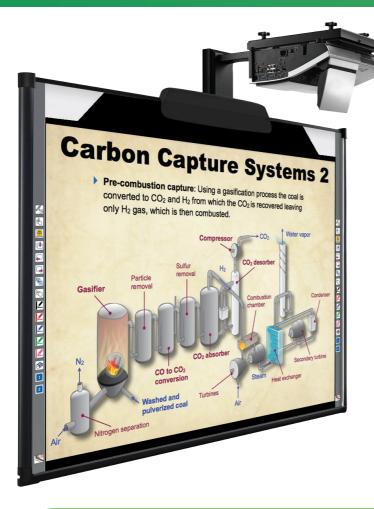


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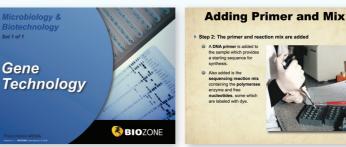
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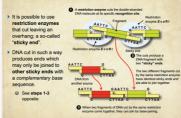
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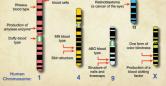


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