

Senior Biology Student Workbook Series

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 - International Baccalaureate Diploma course (SL and HL)
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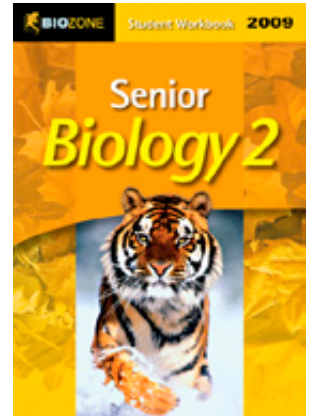
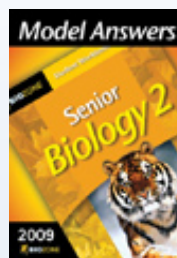


Senior Biology 1

- Skills in Biology
- The Chemistry of Life
- Cell Structure
- Cell Membranes
- Cell Division & Organization
- Cellular Energetics
- Molecular Genetics
- Genes and Chromosomes
- Inheritance
- Aspects of Biotechnology
- Ecosystems
- Energy Flow and Nutrient Cycles
- Populations
- Classification
- Practical Ecology
- Human Impact and Conservation

Pages: 400

Model Answers



Senior Biology 2

- Pathogens and Disease
- Defense Against Disease
- The Origin and Evolution of Life
- Speciation
- Patterns of Evolution
- Human Evolution
- Diet and Animal Nutrition
- Gas Exchange in Animals
- Animal Transport Systems
- Reproduction and Development
- Homeostasis and Excretion
- Nerves, Muscles, and Movement
- Animal Behavior
- Plant Structure & Adaptation
- Plant Responses & Reproduction
- Microbes & Biotechnology

Pages: 400

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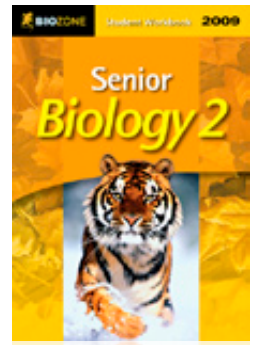
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Sample pages - Workbook

1 Course Objectives keyed-in:

The learning objectives are written for each specific course unit. They provide students with a planning tool for completion of work within that unit.

2 Introduction to the topic:

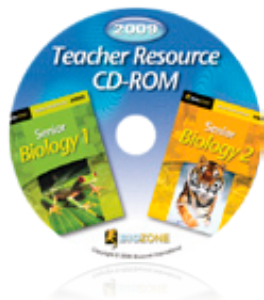
Students are provided with a concise introduction to the concepts in the activity. The focus of the activity is outlined in the first paragraph.

3 Easy to understand diagrams:

A highly visual presentation makes it easier to understand difficult concepts. Clear annotated diagrams make information accessible.

4 Consolidation and branching out:

The write-on format of each activity provides opportunity to consolidate knowledge, while allowing scope for exploring new ideas. **Differential instruction** becomes easier and students at all levels are encouraged to be critical thinkers.



Teacher Resource CD-ROM

- Full digital copies of the Senior Biology 1 & 2 Student Workbooks and Model Answers books as **non-printable PDF files**.
- Printable additional activities**. These are PDF files with a **one year photocopy license**.
- Crossword puzzles and glossary worksheets** to test understanding of biological terms for all topics.
- Presentation Media **free sample: Mutations version 2.0**.
- Microsoft® Excel® spreadsheets for statistical analysis.

Crossword Puzzles

Extra Worksheets

Spreadsheets

Glossaries