



## Student Review and Assessment On the Internet Science

### Courses

The **School Island Science** courses have been designed to fit each district's high school and middle school curriculum. Each course includes hundreds of multiple choice questions, vocabulary and flash card activities, and some courses include Constructed Response questions. Every question includes hints, reasons, and related vocabulary definitions. Online Reference Tables are available for selected courses. The following courses are available:

**Biology**  
Living Environment

**Earth Science**  
**Chemistry**  
\* = designed for Middle School

**Physics**  
Physical Science

**Intermediate Science\***

### Units

#### **Biology**

- Unity and Diversity Among Living Things
- Maintenance in Living Things
- Human Physiology
- Reproduction and Development
- Transmission of Traits from Generation to Generation
- Evolution
- Ecology
- Laboratory Skills

#### **Living Environment**

- The Unity and Diversity of Life
- Genetics
- Evolution
- Reproduction and Development
- Maintaining a Dynamic Equilibrium that Sustains Life
- Ecology
- The Impact of Humans on the Environment
- Laboratory Skills

#### **Physics**

- Physics Fundamentals
- Mechanics
- Energy
- Electricity and Magnetism
- Waves
- Modern Physics
- Advanced topics

#### **Chemistry**

- Atomic Concepts
- Periodic Table
- Compounds, Reactions and Moles
- Chemical Bonding
- Physical Behavior of Matter
- Kinetics and Equilibrium
- Organic Chemistry
- Oxidation-Reduction
- Acids, Bases and Salts
- Nuclear Chemistry
- Laboratory Skills and Measurements
- Advanced Topics

#### **Earth Science**

- Observation and Measurement
- The Changing Environment
- Measuring the Earth
- The Earth in Space
- Energy in Earth Processes
- Insolation and Earth Energy
- Meteorology
- Moisture, Energy, and Climate
- Weathering and Erosion
- Erosional-Depositional Systems
- Rocks and Minerals
- The Dynamic Earth
- The History of the Earth
- Landscape Development
- Advanced Topics

#### **Intermediate Science**

- Introduction to Science
- Life: Living vs. Nonliving Things
- Life: Human Organ Systems
- Life: Inheritance of Genetic Information
- Life: Changes in Organisms and Species
- Life: Reproduction and Development
- Life: Dynamic Equilibrium of Life
- Life: Interdependence of Living Things
- Life: Human Impact on the Environment
- Earth: Studying Earth Science
- Earth: Earth and Celestial Motions
- Earth: Weather and Climate
- Earth: Changes on Earth's Surface
- Earth: Minerals and Rocks
- Earth: The Dynamic Earth
- Earth: The Changing Environment
- Physical: Matter
- Physical: Changes in Matter
- Physical: Models of Matter
- Physical: Energy
- Physical: Heating and Cooling
- Physical: Light, Sound, Electricity and Magnetism
- Physical: Forces and Motion

#### **Physical Science**

- Introduction to Science
- Mechanics
- Thermal Energy
- Electricity and Magnetism
- The Wave Nature of Sound and Light
- Matter
- Regularities in Chemistry
- Optional Topics



## Student Review and Assessment On the Internet Science

### Themes

#### **Biology**

- Nutrition
- Transport
- Respiration
- Excretion
- Regulation
- Reproduction
- Development
- The Cell
- Locomotion
- Classification
- Cell division
- Biochemistry
- Genetics
- Modern Genetics
- Evolution
- Interdependence of Living Things
- Tools of the Biologist

#### **Chemistry**

- Basic Chemistry
- Reference Table Information
- Application/Analysis of Information
- Chemical Formulas and Reactions
- Problem-Solving, Synthesis, and Mathematical Formula

#### **Physical Science**

- Models
- Measurements and Calculations
- Motions
- Energy and Temperature
- Change
- Relationships
- Observations and Inferences
- Stewardship
- Reading Graphs and Diagrams
- Tools of the Scientist
- Experimentation

#### **Living Environment**

- Nutrition
- Transport
- Respiration
- Excretion
- Regulation
- Reproduction
- Development
- The Cell
- Locomotion
- Classification
- Cell division
- Biochemistry
- Genetics
- Modern Genetics
- Evolution
- Interdependence of Living Things
- Tools of the Biologist

#### **Earth Science**

- Models
- Measurements and Calculations
- Motions
- Energy and Temperature
- Change
- Relationships
- Observations and Inferences
- Stewardship
- Reading Graphs and Diagrams

#### **Physics**

- Models
- Measurements and Calculations
- Motions
- Energy and Temperature
- Relationships
- Observations and Inferences
- Reading Graphs and Diagrams
- Equilibrium
- Experimentation

#### **Intermediate Science**

- Models
- Measurements and Calculations
- Motions
- Energy and Temperature
- Change
- Relationships
- Observations and Inferences
- Stewardship
- Reading Graphs and Diagrams
- Interdependence
- Tools of the Scientist
- Equilibrium
- Structures
- Reproduction
- Heredity
- Experimentation

### More Information

Additional information about School Island can be found at [www.castlesoftware.com](http://www.castlesoftware.com).

CASTLE Software, Inc.  
626 Layport Drive, Suite 100  
Sebastian, FL 32958

800-345-7606  
Fax: 772-581-1066  
[sales@schoolisland.com](mailto:sales@schoolisland.com)