

## Web Demo and Topics

### Earth Science/General Science Questions

- 1) A mineral that has a Moh's scale hardness of 1 is
  - 1) diamond
  - 2) calcite
  - 3) corundum
  - 4) talc
  
- 2) The composition of sand of many beaches is
  - 1) calcium carbonate
  - 2) quartz
  - 3) silica ooze
  - 4) tomolos
  
- 3) Some mapping methods for the ocean floor depend on
  - 1) light
  - 2) water
  - 3) sound vibrations
  - 4) gravity
  
- 4) The exposed margin of the continental shelf that has emerged from the sea is the
  - 1) Atlantic Coastal Plain
  - 2) Great Plains
  - 3) Appalachian plateau
  - 4) Colorado
  
- 5) Deposits of calcite on the continental shelf form
  - 1) guyot
  - 2) coral reefs
  - 3) spit
  - 4) rift
  
- 6) Rivers that are drowned by rising sea level are called
  - 1) estuaries
  - 2) canyons
  - 3) cirques
  - 4) stocks
  
- 7) Glaciers form at high elevations and erode headward and sideward within a valley is called
  - 1) valley
  - 2) till
  - 3) U shaped valley
  - 4) piedmont
  
- 8) What type of wave cannot pass through the Earth's outer core?
  - 1) L wave
  - 2) P wave
  - 3) S wave
  - 4) seismic sea wave
  
- 9) The bedrock on the top of a mountain area contains fossils of small fish. These fossils indicate that this area was once covered by
  - 1) grass lands
  - 2) forests
  - 3) a sea
  - 4) a glacier
  
- 10) Seeding, combustion, city development, and pollution cause climate changes by the activities of
  - 1) forecasting
  - 2) humans
  - 3) satellites
  - 4) weather stations

11) The effect on spectral lines of objects moving away from Earth is called the

- |              |                    |
|--------------|--------------------|
| 1) Red Spot  | 3) relative motion |
| 2) red shift | 4) main sequence   |

12) Which Newton Law explains how a rocket works?

- |           |           |
|-----------|-----------|
| 1) first  | 3) third  |
| 2) second | 4) fourth |

## LIFE SCIENCE - TOPICS

Essential Elements of Living Things

Living Things - Need for Movement

Living Things - Need for Energy

Living Things - Need for Water

Living Things - Need for Food

Living Things - Irritability

Living Things - Continuance of Life

Living Things - Excretion

Living Things - Respiration

Living Things - Reproduction

Gas Cycle

Survival and the Environment

Adaptation and the Environment

Classification

Classification Systems

Protists

Bacteria and Monerans

Fungi - Mushrooms

Virus

Parasites

Protists - Examples

Molds & Yeast

Algae

Mosses and Liverworts

Nonvascular and Vascular Plants

Mollusks

Arthropods Characteristics

Millipedes

Crustaceans

Spiders

Insects

Metamorphosis

Starfish

Animals with Backbones

Fish

Amphibians

Reptiles

Birds

Mammals

Plants - Roots

Plants - Stems

Plants - Leaves

Plants - Guard Cells

Land Pollution

Nuclear Pollution

Thermal Pollution

Air Pollution

Renewable and Nonrenewable Resources

Solar Energy

Geothermal Energy

Forest Resources

Wildlife Resources

Environmental Management

Interprets Data in Graphs/Tables/Diagrams

Designs a Controlled Experiment

The Cell

Tissues

Organs

System

Metabolism

Feedback Mechanics

Skeletal System

Bones

Cartilage

Ligaments - Tendons - Joints

Muscular System

Types of Muscles - Skeletal Muscle

Types of Muscle - Smooth Muscle

Types of Muscle - Cardiac Muscle

Nervous System

Sensory Neurons

Cerebrum

Cerebellum

Medulla

Spinal Cord

Motor Neurons

Sensory Neurons

Antennae

Sense organs and Taste

Behavior

Simple Reflex

Stimulus - Response

Instinct

Conditioned Response

Habit

Endocrine System

Plants - Transpiration  
Plants - Photosynthesis  
Plants - Tropisms  
Plants - Respiration  
Foods - General  
Cell Theory  
Cell Membrane  
Nucleus  
Cytoplasm - Cell Parts  
Plants - Cell Parts - Chlorophyll

Carbohydrates  
Fats  
Proteins  
Minerals  
Vitamins  
Food Tests  
Microscope  
Intestine/Liver/Pancreas  
Field Adjustments - Microscope  
Asexual - General  
Asexual - Fission  
Asexual - Budding  
Asexual - Spores  
Asexual - Regeneration  
Asexual - Vegetative Propagation  
Angiosperms - Reproduction  
Petals  
Flowering Plants - Pistil  
Flowering Plants - Stamens  
Flowering Plants - Pollination  
Seeds - Germination  
Gymnosperms - Reproduction  
Animal - Reproduction  
External fertilization  
Life Cycle  
Interdependence of Living Things  
Succession  
Ecosystem  
Population  
Ecology  
Tundra  
Deciduous Forest  
Grasslands  
Desert  
Rain Forest  
Ocean Habitat  
Energy Flow  
Habitat  
Community Relationships  
Nitrogen Cycle  
Food Chain  
Producers  
Consumers  
Decomposers  
Procedure

Thyroid Gland  
Parathyroid Gland  
Adrenal Gland  
Pituitary Gland

Pancreas  
Sex Glands  
Digestive System  
Digestion - Mouth  
Digestion - Enzymes  
Digestion - Stomach  
Digestion - Small  
  
Digestion - Large Intestine  
Measuring Energy and Nutrition  
Diffusion  
Osmosis  
Plasmolysis  
Circulatory System  
Circulatory System - Heart  
Circulation - Heart & Blood Vessels  
Blood Circuits - Pulmonary Circulation  
Blood Circuits - Systemic Circulation  
Blood Vessels - Arteries  
Blood Vessels - Veins  
Blood Vessels - Capillaries  
Plasma  
Red Blood Cells  
White Blood Cells  
Blood Platelets - Blood Clotting  
Blood Types  
Lymphatic System  
Respiratory System  
Respiration With Oxygen  
Respiration Without Oxygen  
Excretory System  
Excretory System - Skin  
Excretory System - Lungs  
Excretory System - Kidneys  
Excretory System - Large Intestine  
Reproductive System  
Reproductive System - Male  
Reproductive System - Female  
Twins  
Fertilization  
Menstrual Cycle  
Pregnancy  
Predicted - Results of the Investigation  
Designs - Observation / Measurement

Food Pyramid  
Food Web  
Disturbance of Nature's Balance  
Disturbance of Nature's Balance - Man  
Necessity of Conservation  
Soil Problems and Conservation  
Erosion Control  
Fossil Fuels  
Nuclear Energy  
Moving Water

Mitosis  
Meiosis  
Chromosomes  
Sex Linked Traits  
Mutations  
Inherited Traits  
Bacteria  
Virus  
Transmission of Diseases  
Body Defense - Structural Defenses  
Antibodies & Antigens  
Active Acquired Immunity  
Passive Acquired Immunity  
Antibiotics  
Disinfectants - Chemotherapy  
Diseases - Virus  
Soil  
Decay of Plants  
Undesirable Microbes & Parasites Control  
Bacteria - Food Uses