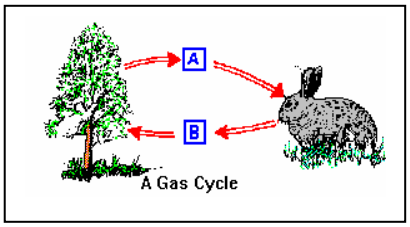
Web Demo and Topics
Life Science Questions

1) The major source of usable carbon for living organisms is
1) carbon compounds in igneous rocks
2) carbon dioxide in the atmosphere
3) minerals in the soil
4) fossil fuels

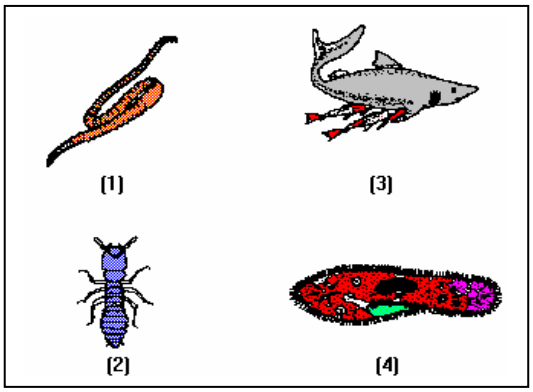
2) Base your answer to the question on the diagram.



The process that produces gas B is
1) transpiration
2) respiration
3) digestion
4) photosynthesis

3) Chemical reactions take place in a cell
1) only during the day
2) only at night
3) twenty-four hours a day
4) only during periods of activity

4) Which of the diagrams shown represents a protozoan?



5) An angle fish has the best chance of survival in a covered aquarium containing food and
1) water and sand
2) water and other angle fish
3) water and green elodea plants
4) water, only

6) A characteristic that makes members of the plant kingdom different from members of the animal kingdom is that plants
1) live only on land
2) cannot reproduce
3) can make food
4) have no response

7) What is contained in the core of a virus that contains the code to make a cell reproduce the virus is

1) aerobic
2) anaerobic
3) nucleic acid
4) interferon

8) Which of the following statement about green plants in the dark is most correct?

1) both photosynthesis and respiration stop
2) both photosynthesis and respiration continue
3) photosynthesis stops and respiration continues
4) photosynthesis continues and respiration stop

9) What type of muscles is found in the greatest amount in the human body?

1) cardiac muscle
2) smooth muscle
3) striated muscle
4) all present in equal amounts

10) The part of the brain involved in solving a math problem would be the

1) cerebrum
2) cerebellum
3) medulla
4) spinal cord

11) A crab waves its claw in a certain way: and a firefly flashes in certain patterns. These are examples of what type of behavior?

1) trial and error
2) conditioned
3) courtship
4) acquired

12) Any inheritable change in the genetic makeup of an organism is a

1) genotype
2) mutation
3) crossing over
4) sex linkage

13) Which of the following organelles has been called the powerhouse of the cell?

1) ribosone
2) nucleus
3) mitochondria
4) spindle fiber

14) The part of the plant cell that contains chlorophyll is a/an

1) chromosome
2) nuclear membrane
3) chloroplast
4) ribosome

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
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

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

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
Thyroid Gland
Parathyroid Gland
Adrenal Gland
Pituitary Gland

Carbohydrates
Fats
Proteins
Minerals
Vitamins
Food Tests
Microscope
Field Adjustments - Microscope
Asexual - General
Asexual - Fission
Asexual - Budding
Asexual - Spores
Asexual - Regeneration

Pancreas
Sex Glands
Digestive System
Digestion - Mouth
Digestion - Enzymes
Digestion - Stomach
Digestion - Small Intestine/Liver/Pancreas
Digestion - Large Intestine
Measuring Energy and Nutrition
Diffusion
Osmosis
Plasmolysis
Circulatory System

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
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

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 Procedure
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