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Science

Scientific Keywords Worksheet



5

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Learn the definitions of the following keywords.

Words	Definition
Classification	The row of small bones that are connected down the middle of the back.
Cotyledon	The process of putting people and things in a group.
Extinct	Birds or any other animal coming out of its eggs by breaking its shell.
Dicot	All the bones in a body joined together to form a framework which provides shape, stability, and movement.
Kingdom	One of the five major groups into which all living things are organized.
Monocot	A plant whose seeds form embryos that produce a single leaf.
Phloem	The cell of a plant that carry sugars produced in the leaves around the plant.
Xylem	The cell of plants that carry water and minerals upwards from the root.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

1. What is classification?
 - a. Breaking things into pieces
 - b. Naming all living things
 - c. Grouping things by their characteristics
 - d. Finding animals in forests
2. What is a cotyledon?
 - a. A part of the stem
 - b. The outer seed coat

- c. A baby leaf inside the seed
 - d. A flower petal
3. What does extinct mean?
- a. Sleeping for a long time
 - b. No longer existing
 - c. Moving to another place
 - d. Growing in number
4. A dicot seed produces...
- a. No leaves
 - b. Many leaves at once
 - c. Two first leaves
 - d. Three first leaves
5. A kingdom is...
- a. A place where animals live
 - b. A country ruled by a king
 - c. One of the major groups of living things
 - d. A part of a plant
6. A monocot seed produces...
- a. One first leaf
 - b. Two leaves
 - c. Four leaves
 - d. No leaves
7. Phloem carries...
- a. Only water
 - b. Air
 - c. Sugars made in leaves
 - d. Minerals from soil

8. Xylem carries...
 - a. Sugars from leaves
 - b. Oxygen
 - c. Water and minerals from roots
 - d. Seeds

Learn the definitions of the following keywords.

Words	Definition
Bacteria	The simplest and smallest forms of life, which are found everywhere in large numbers and are often a cause of disease.
Virus	A biological thing that lives in cells of living things and usually causes diseases.
Fungi	An organism that is similar to a plant, but does not have leaves, flowers or green coloring. They usually grow on plants or decaying matter.
Decompose	To be destroyed gradually after death by natural processes.
Infection	The act or process of causing or getting a disease.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

1. Bacteria are...
 - a. Large animals
 - b. Very small living things that may cause diseases
 - c. Green plants
 - d. Only found in clean water
2. A virus...
 - a. Grows on dead plants
 - b. Lives only in soil
 - c. Lives inside cells and causes diseases
 - d. Makes food by itself

3. Fungi are organisms that...
 - a. Have green leaves
 - b. Make their own food
 - c. Grow on decaying matter and have no leaves or flowers
 - d. Can move freely
4. To decompose means to...
 - a. Become bigger
 - b. Grow new leaves
 - c. Break down naturally after death
 - d. Change color
5. Infection is...
 - a. Eating healthy food
 - b. Getting or causing a disease
 - c. Traveling to new places
 - d. Growing seeds

Learn the definitions of the following keywords.

Words	Definition
Endosperm	The part of the plant seed that provides food for the embryo.
Pollination	The process of transfer of pollen grains to stigma.
Germination	The process by which a seed starts to grow.
Spores	One of the very small cells that are produced by some plants and that develop into new plants.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

- Endosperm provides...
 - Water for the plant
 - Food for the embryo inside a seed
 - Air for the roots
 - Color to flowers
- Pollination is the process of...
 - Leaves making food
 - Pollen moving to the stigma
 - Seed dispersal
 - Roots absorbing water
- Germination is when...
 - plant makes fruits
 - Leaves fall off
 - A seed starts to grow
 - A flower opens

4. Spores are...
 - a. Big seeds
 - b. Parts of flowers
 - c. Tiny cells that grow into new plants
 - d. Stems of plants

Learn the definitions of the following keywords.

Words	Definition
Pollutant	A substance that pollutes something, especially air and water.
Smog	A form of air pollution that is or looks like a mixture of smoke and fog, especially in cities.
Greenhouse effect	The problem of the slow steady rise in temperature of the earth's atmosphere, caused by an increase of gases such as carbon dioxide in the air surrounding the Earth, which trap the heat of the sun.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

1. A pollutant is a substance that...
 - a. Helps plants grow
 - b. Makes air or water dirty
 - c. Cleans the environment
 - d. Reflects sunlight
2. What is smog?
 - a. Clean air in the countryside
 - b. White clouds that form in winter
 - c. Polluted air that looks like a mix of smoke and fog
 - d. Steam coming from boiling water
3. What is the greenhouse effect?
 - a. The Earth getting cooler every year
 - b. Plants growing faster in sunlight
 - c. The warming of Earth because gases trap heat from the Sun
 - d. The movement of clouds across the sky

Unit 5

PHYSICAL AND CHEMICAL CHANGES OF MATTER

Learn the definitions of the following keywords.

Words	Definition
Solution	Type of mixture with at least one liquid and one solid.
Matter	Anything that has mass and occupies space.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

1. A solution is...
 - a. A mixture of two solids
 - b. A gas and a liquid
 - c. A mixture with at least one liquid and one solid
 - d. A type of rock
2. Matter is anything that...
 - a. Can burn easily
 - b. Makes sound
 - c. Has mass and takes up space
 - d. Can fly

Learn the definitions of the following keywords.

Words	Definition
Shadow	The dark shape that somebody or something's form makes on a surface.
Translucent	Materials that allow some light to pass through but are not completely clear.
Opaque	Not clear enough to see through or allow light through.
Transparent	Materials that are clear enough to see through completely.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

1. A shadow is...
 - a. A light source
 - b. A dark shape made when light is blocked
 - c. A type of mirror
 - d. A reflection
2. A translucent material...
 - a. Allows some light to pass through
 - b. Allows no light
 - c. Allows all light
 - d. Absorbs the light completely
3. Opaque things...
 - a. Let all light pass
 - b. Let some light pass
 - c. Do not let light pass at all
 - d. Turn into light

4. Transparent materials...
 - a. Are made of wood
 - b. Let you see through them completely
 - c. Are soft
 - d. Block light

Unit 6b

SOUND

Learn the definitions of the following keywords.

Words	Definition
Pitch	The dark shape that somebody or something's form makes on a surface.
Intensity	Materials that allow some light to pass through but are not completely clear.
Noise	Not clear enough to see through or allow light through.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

- Pitch tells us...
 - Loudness
 - Weight
 - How high or low a sound is
 - Speed
- Intensity means...
 - How cold something is
 - How strong something is
 - How heavy something is
 - How tall something is
- Noise is...
 - A soft pleasant sound
 - A loud or unpleasant sound
 - A musical sound
 - A silent area

Learn the definitions of the following keywords.

Words	Definition
Insulator	Material which does not allow electricity to flow through itself.
Conductor	Material which allows electricity to flow through itself.
Static electricity	Electricity that gathers on or in an object which is normally not a conductor.
Electromagnet	Piece of metal which becomes magnetic when electricity is passed through it.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

- An insulator is a material that...
 - Lets electricity pass
 - Stops electricity from passing
 - Makes electricity
 - Stores electricity
- A conductor is a material that...
 - Stops electricity
 - Only stores energy
 - Allows electricity to pass through
 - Makes light
- Static electricity is...
 - Electricity used in homes
 - Electricity that builds up on objects

- c. Electricity in wires
 - d. A power station
4. An electromagnet becomes magnetic when...
- a. Heated
 - b. Cooled
 - c. Electricity flows through it
 - d. Placed in sunlight

Learn the definitions of the following keywords.

Words	Definition
Humus	A substance made from dead leaves and plants, added to soil to help plants grow.
Loam	Good quality soil containing sand, clay and decayed matter.
Microbes	An extremely small living thing that you can only see under a microscope and that may cause disease.
Reservoir	A natural or artificial lake where water is stored before it is taken by pipes to houses, etc.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

- Humus is...
 - Pure sand
 - Only clay
 - Decayed dead plants added to soil
 - Rocks in soil
- Loam is soil made of...
 - Only sand
 - Only clay
 - Sand, clay, and decayed matter
 - Only rocks
- Microbes are...
 - Large plants
 - Animals living in water

- c. Tiny living things seen only with a microscope
 - d. Hot gases
4. A reservoir is...
- a. A river mouth
 - b. A desert
 - c. A lake where water is stored
 - d. A deep ocean trench

Learn the definitions of the following keywords.

Words	Definition
GPS	Global positioning system which provides reliable time and location information.
Space	Area outside the Earth's atmosphere where all the other planets and stars are.
Satellites	An electronic device that is sent into space and moves around the Earth or another planet.

Look at the scientific vocabulary words above and solve the following multiple-choice questions.

- GPS provides...
 - Weather reports
 - Internet signals
 - Time and location information
 - Electricity
- Space is...
 - Under the soil
 - Inside Earth
 - Outside Earth's atmosphere
 - Inside oceans
- Satellites are...
 - Rocks in space
 - Birds that fly high
 - Devices sent to space to orbit Earth or planets
 - Stars in the sky