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Science

**Scientific Keywords Worksheet**



**GRADE**

**4**

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Learn the definitions of the following keywords.

Words	Definition
Life Cycle	The different stages in the life of a living thing.
Germination	The process by which a seed starts to grow.
Hatching	Birds or any other animal coming out of its eggs by breaking its shell.

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

1. What is the backbone?
  - a. A bone in the arm
  - b. A row of small bones in the back
  - c. The row of small bones down the middle of the back
2. What does classification mean?
  - a. Breaking things
  - b. Grouping people or things
  - c. Painting objects
3. A vertebrate is an animal that...
  - a. Has wings
  - b. Has a backbone
  - c. Has no legs
4. What is a skeleton?
  - a. A soft body part
  - b. All the bones in the body
  - c. Only the bones in the legs

Learn the definitions of the following keywords.

Words	Definition
Muscles	A part of the human body that changes its size to create movement.
Incisor	Chisel shaped teeth used to cut into food.
Canine	Pointed teeth used for tearing into food.
Molar	Large, flat teeth used for grinding food.
Premolar	Slightly smaller, flat teeth used for grinding and chewing food.

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

1. Muscles help the body by...
  - a. Keeping us warm
  - b. Changing size to create movement
  - c. Helping us breathe air
2. Which teeth are used to cut food?
  - a. Incisors
  - b. Molars
  - c. Premolars
3. Which teeth help in tearing food?
  - a. Incisors
  - b. Canines
  - c. Molars

4. Molars are used for...
  - a. Cutting
  - b. Tearing
  - c. Grinding food
5. Premolars help in...
  - a. Tearing
  - b. Chewing and grinding
  - c. Smelling

Learn the definitions of the following keywords.

Words	Definition
Ecosystem	All the plants and living creatures in a particular area and their relation to their physical environment.
Abiotic	Related to or involving non-living things in an ecosystem.
Food chain	A series of living creatures in which each type of creature feeds on the one below it in the series.

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

1. What is an ecosystem?
  - a. Only animals in an area
  - b. Plants and animals living together with their environment
  - c. Only plants in a forest
2. Abiotic things are...
  - a. Living things
  - b. Non living things
  - c. Moving animals
3. A food chain shows...
  - a. How animals sleep
  - b. Who eats whom in nature
  - c. How plants grow

Learn the definitions of the following keywords.

Words	Definition
Contagious disease	A disease which can spread from one sick person to another person.
Non-contagious disease	A disease which cannot spread from a sick person to a healthy person.
Energy	The ability to do work.
Balanced diet	Food which provides all the nutrition required for a healthy life.
Vitamins	The natural substances found in food that are essential for humans and animals to grow and stay healthy.

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

1. A contagious disease can...
  - a. Spread from one person to another
  - b. Never spread
  - c. Only affect animals
2. Non contagious diseases...
  - a. Do not spread from person to person
  - b. Spread very fast
  - c. Only happen in winter
3. Energy is the ability to...
  - a. Sleep
  - b. Grow

4. A balanced diet gives...
  - a. Only fats
  - b. Only minerals
  - c. All nutrients needed for health
5. Vitamins help the body...
  - a. Sleep longer
  - b. Grow and stay healthy
  - c. Run faster only

# Unit 4

## MATTER AND ITS CHARACTERISTICS

Learn the definitions of the following keywords.

Words	Definition
Matter	Anything that takes up space and has weight.
Volume	Amount of space occupied by an object.
Compress	Pressed together with pressure.
Conduction	The process by which heat or electricity passes through a material.

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

- Matter is anything that...
  - Shines
  - Has weight and takes up space
  - Makes sound
- Volume is the...
  - Temperature of an object
  - Amount of space an object takes up
  - Weight of an object
- To compress means to...
  - Break something
  - Heat something
  - Press something together
- Conduction is how...
  - Light travels
  - Heat or electricity moves through materials
  - Sound travels

# Unit 5

## FORMS OF ENERGY AND ENERGY TRANSFER

Learn the definitions of the following keywords.

Words	Definition
Heat	The energy that makes things warm or hot.
Source	A place or something from which something can be obtained.
Temperature	The measurement of how hot or cold a thing or a place is.
Thermometer	An instrument used to measure temperature.

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

- Heat makes things...
  - Cold
  - Warm or hot
  - Bright
- A source is...
  - A finished product
  - A place where something comes from
  - A type of machine
- Temperature tells us...
  - How loud something is
  - How hot or cold something is
  - How big something is
- A thermometer measures...
  - Weight
  - Light
  - Temperature

5. Something natural is...
  - a. Made by humans
  - b. Not made by humans
  - c. Found only in factories
6. An echo is...
  - a. A bright light
  - b. A reflected sound
  - c. A type of wave

Learn the definitions of the following keywords.

Words	Definition
Speed	A measure of how fast somebody/something moves or travels.
Machine	A device which helps us to do work easily.
Pulley	A wheel or set of wheels over which a rope or chain is pulled in order to lift or lower heavy objects.
Axle	A straight piece of metal that connects a pair of wheels.

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

- Speed tells us...
  - How strong someone is
  - How tall something is
  - How fast something moves
- A machine helps us...
  - Sleep
  - Jump
  - Do work easily
- A pulley helps to...
  - Make noise
  - Store energy
  - Lift or lower heavy objects
- An axle is...
  - A kind of rope
  - A metal rod connecting wheels
  - A type of engine

Learn the definitions of the following keywords.

Words	Definition
Fuel	Something which gives off heat when it is burnt.
Marshes	Marshes are wet places where the ground is always soft and muddy.
Natural resource	Something we get from nature, and it benefits us.

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

- Fuel is something that...
  - Makes things cold
  - Gives heat when burnt
  - Makes sound
- Marshes are places that are...
  - Dry and sandy
  - Wet, soft, and muddy
  - Covered with rocks
- A natural resource is...
  - Made in factories
  - Something we get from nature
  - A type of food

# Unit 8

## THE EARTH AND ITS RESOURCES

Learn the definitions of the following keywords.

Words	Definition
Climate	The average weather conditions of a place.
Weather	Day-to-day state of the atmosphere.
Condensation	The process of water vapor turning back into liquid water.

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

1. Climate is the...
  - a. Average weather of a place
  - b. Weather of one day
  - c. Temperature at night only
2. Weather is the...
  - a. Day to day condition of the atmosphere
  - b. Condition of space
  - c. Movement of planets
3. Condensation happens when...
  - a. Ice becomes water
  - b. Water vapor becomes liquid water
  - c. Water boils

# Unit 8

## EARTH IN THE SOLAR SYSTEM

Learn the definitions of the following keywords.

Words	Definition
Atmosphere	The area immediately around a planet or star or other body in space.
Axis	A (usually imaginary) line on which something rotates.
Rotation	Turning on the spot.
Revolution	A complete circular movement of a planet around its sun.

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

- The atmosphere is...
  - Inside the Earth
  - The air around a planet
  - Only clouds
- The Earth rotates around its...
  - Poles
  - Axis
  - Oceans
- Rotation means...
  - Moving in a straight line
  - Turning on the spot
  - Breaking apart

4. Revolution is...
  - a. Spinning in place
  - b. Moving in a circle around the Sun
  - c. Changing color