



## SOLUTION WONDER OF SCIENCE

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### 1. Living and Non-living Things

#### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (b) living      2. (a) air      3. (a) energy      4. (c) live

#### B. Answer the following questions :

1. Give the names of any three trees.

Ans. The names of three trees are—

- ✿ Peepal tree
- ✿ Mango tree
- ✿ Banana tree

2. Write the two examples each of living and non-living things.

Ans. The two examples—

1. Living things —Man, Snake
2. Non-living things—Chair, Table

3. Differentiate between living and non-living things.

Ans. Living things—

- (1) Living things can breathe.
- (2) Living things can move from one place to another.

Non-living things—

- (1) Non-living things cannot breathe.
- (2) Non-living things can not move from one place to another.

4. Why do living things reproduce ?

Ans. Living things reproduce of their own kind because without reproduction, there would be no life left on the earth.

5. Why do living things eat food ?

Ans. Living things eat food to get energy to do work, to grow and to survive.

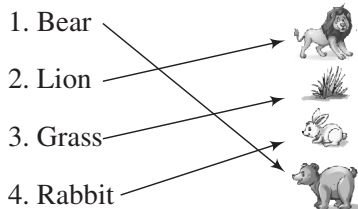
#### C. Fill in the blanks with the words given below :

1. around      2. do      3. non-living      4. child      5. eggs

#### D. Write true or false :

1. True      2. True      3. False      4. True      5. True

E. Match the following words with the picture :



F. Group Discussion :

Do yourself.

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## 2.

## Parts of a Plant

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A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (b) green      2. (a) shoot      3. (c) kitchen      4. (c) chlorophyll

B. Answer the following questions :

1. Name any one plant which has a tap root.

Ans. Bean plant has a tap root.

2. List three functions each of a root and a stem.

Ans. Three functions of a root:

- (i) The roots fix the plant to the soil.
- (ii) Roots help in absorbing water and minerals from the soil.
- (iii) Many roots store food. This helps the plants to survive.

Three functions of a Stem :

- (1) Stem helps the plant to stand straight.
- (2) Stem transports food to every part of plant.
- (3) Stem supports the load of branches, leaves, fruits etc.

3. Why is a leaf called the kitchen of a plant ?

Ans. Leaf is called the kitchen of a plant because leaves prepare the food in the presence of sunlight.

4. What are the uses of root ?

Ans. Root gives strength to plant. Roots absorb minerals from the soil. Roots are source of medicine and drugs.

C. Fill in the blanks with the words given below :

1. mature      2. fix      3. good      4. shapes      5. insects

D. Write true or false :

1. True      2. False      3. True      4. False      5. True

E. Write the names of the following :

1. Grains, nuts, vegetables, fruits etc.      2. Water and Mineral salt  
3. Carbon dioxide, sunlight, water      4. Chlorophyll.

F. Visit a garden, study the plants there and record your observation :

Do yourself.

### 3.

## Food and Feeding habits of Animals

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#### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (a) food                      2. (b) feet                      3. (c) carnivores                      4. (c) long

#### B. Answer the following questions :

##### 1. Give two examples of herbivores and omnivores.

**Ans.** The two examples of herbivores and omnivores are—

- (1) (i) Rabbit  
(ii) Squirrel  
(2) Crow, Bear

##### 2. What are herbivores ?

**Ans.** Herbivores are those animals who eat green plants and vegetables only.

##### 3. Why do omnivores have greater variety in their food ?

**Ans.** Some animals eat both flesh as well as plants. That is the reason omnivores have greater variety in food.

##### 4. Why do animals need food ?

**Ans.** Animals need food to survive.

##### 5. Why should we take care of animals ?

**Ans.** We should take care of animals because they do a lot of work for us.

#### C. Unscramble the following.

1. Tiger                      2. Peacock                      3. Monkey                      4. Plants

#### D. Fill in the blanks with the words given below :

1. Energy                      2. Stray                      3. food                      4. nuts                      5. swallow

#### E. Write true or false :

1. False                      2. True                      3. True                      4. False                      5. True

#### F. Name two animals that :

- |                                 |         |          |
|---------------------------------|---------|----------|
| (a) Eat flesh of other animals  | Lion    | Tiger    |
| (b) Eat plants                  | Cow     | Horse    |
| (c) Eat both plants and animals | Bear    | Crow     |
| (d) Eat dead animals            | Vulture | Fox      |
| (e) Eat nuts and fruits plants  | Rabbit  | Squirrel |

### 4.

## Birds : Beaks and Claws

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#### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (b) air                      2. (b) fly                      3. (c) sticky                      4. (a) feet

#### B. Answer the following questions :

##### 1. What are down feathers ?

**Ans.** Down feathers are very fluffy. These help the bird to keep body warm.

##### 2. What kind of beaks do most flesh eating birds have ?

**Ans.** The flesh eating birds have sharp, pointed beaks which help them to tear the prey.

3. **What are flight feathers ?**

**Ans.** Flight feathers are long feathers in the wings and tail. They help the bird to fly.

4. **What are scratching birds ? Name two scratching birds.**

**Ans.** Scratching Birds are those birds that scratch and dig the ground to bring out the insects and buried seeds. For example,

✿ Hen

✿ Swallow

5. **What helps a duck to swim ?**

**Ans.** Its webbed feet help a duck to swim.

C. **Unscramble the following :**

1. Eagle      2. Nectar      3. Migration      4. Crane

D. **Fill in the blanks with the words given below :**

1. beautiful      2. teeth      3. Humming      4. swim      5. twigs

E. **Write true or false :**

1. True      2. False      3. False      4. False      5. True

F. **Tick the correct answer :**

1. claws      2. wading      3. enemies      4. catching

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## 5.

## Earth and its Neighbour

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A. **Multiple Choice Questions (MCQ) :**

**Tick (✓) the correct answer :**

1. (b) star      2. (b) uranus      3. (c) pluto      4. (a) day

B. **Answer the following questions :**

1. **What is solar system ?**

**Ans.** The sun and planets make the solar system. The solar system consists of eight planets. They are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus & Neptune.

2. **Name the natural satellite of the earth.**

**Ans.** The moon is known as the natural satellite of the earth.

3. **How do day and night occur ?**

**Ans.** The earth rotates once in about 24 hours on its own axis from west to east. The rotation of the earth causes day and night.

4. **What is rotation ?**

**Ans.** Rotation means the action of rotating of earth about on its own axis or centre.

C. **Unscramble the following :**

1. sun      2. moon      3. planet      4. mercury      5. earth

D. **Fill in the blanks with the words given below :**

1. watermelon      2. saturn      3. mantle      4. hottest      5. night

E. **Write true or false :**

1. false      2. false      3. true      4. false      5. true

F. **Tick the correct answer :**

1. sun      2. Moon      3. mercury      4. stars

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## 6.

## Going into Space

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### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (b) earth      2. (a) first      3. (c) water      4. (a) space

### B. Answer the following questions :

#### 1. What is gravity ?

Ans. Gravity is a force of earths, attraction.

#### 2. How is the life on the moon ?

Ans. There is no life on the moon.

#### 3. Name all the Indians who travelled to moon.

Ans. The Indians who travelled in space.

✿ Rakesh Sharma

✿ Kalpana Chawla

✿ Sunita Williams

#### 4. Who was the first man to travel to moon ?

Ans. Neil Armstrong was the first man to travel to moon.

### C. Unscramble the following :

1. Space      2. Moon      3. Power      4. Vehicle      5. Gravity

### D. Fill in the blanks with the words given below :

1. space      2. cross      3. moon      4. space

### E. Write true or false :

1. True      2. False      3. False      4. False      5. True

### F. Tick the correct answer :

1. space      2. no      3. February, 2003      4. 195

### G. Do yourself.

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## 7.

## Soil

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### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (a) rocks      2. (c) soil      3. (b) sandy      4. (c) gravel soil

### B. Answer the following questions :

#### 1. How is soil formed ?

Ans. Soil is formed by the breaking up of rocks into smaller pieces.

#### 2. What causes rocks to break ?

Ans. Weather, rain, wind and sun cause rocks to break into smaller pieces.

#### 3. What does soil contain ?

Ans. The soil contains many things :

✿ Soil contains sand, clay, pebbles and humus.

✿ It contains water and moisture.

✿ It contains air.

#### 4. What features make loamy soil good for plant growth ?

Ans. Loamy soil is a mixture of clay and sand. So it holds enough water and air. It has plenty of humus to allow plants to grow well.

**C. Fill in the blanks with the words given below :**

1. earth      2. pebbles      3. plants      4. good      5. fertility

**D. Write true or false :**

1. False      2. True      3. False      4. True      5. True      6. True

**E. Tick the correct answer :**

1. small      2. termites      3. different      4. millions

**F. Unscramble the following :**

1. sand      2. Gravel      3. million      4. loamy      5. soil

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**8.**

**Air**

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**A. Multiple Choice Questions (MCQ) :**

Tick (✓) the correct answer :

1. (a) air      2. (b) dust      3. (c) dry      4. (a) fresh

**B. Answer the following questions :**

**1. What is air ?**

**Ans.** We cannot see the air but we can feel it. All living things need air to breathe and air is present everywhere.

**2. What is the composition of air ?**

**Ans.** The composition of air are—

- ✿ Air is not a single element.
- ✿ Air is a mixture of many gases.
- ✿ Air also contains dust particles.

**3. What are the uses of air ?**

**Ans.** The uses of air are—

- ✿ Air helps in burning.
- ✿ Air helps to move different things.

**4. How can we keep the air clean ?**

**Ans.** We can keep the air clean :

- ✿ By not throwing any garbage on the road.
- ✿ By not burning plastic.
- ✿ By not emitting poisonous gases.
- ✿ We should plant maximum number of trees.

**C. Fill in the blanks with the words given below :**

1. plants      2. oxygen      3. air      4. winds      5. trees

**D. Write true or false :**

1. False      2. True      3. False      4. True      5. False      6. True

**E. Tick the correct answer :**

1. ill      2. not      3. living      4. cannot

**F. Unscramble the following :**

1. air      2. clean      3. oxygen      4. earth      5. plants
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## 9.

## Water is Precious

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### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (b) beings      2. (c) solvent      3. (a) water      4. (c) clean

### B. Answer the following questions :

#### 1. What are the forms of water ?

Ans. Water can exist in three forms : (a) Solid (ice), (b) Liquid (c) Gas (vapour).

#### 2. Write the properties of water.

Ans. The properties of water are:

Water is in a liquid, it flows. It has no shape of its own. When it is heated, it disappears and changes into-steam. It can be converted into ice by freezing.

#### 3. What are the sources of water? Explain.

Ans. The sources of water are following:

**Rain** : It is the main source of water. It is the condensed moisture of dark clouds falling in drops.

**Pond** : The still water surrounded by the land is called pond.

**Underground water** : When a part of rain water goes underground it is called underground water.

#### 4. Write the importance of clean water.

Ans. The importance of clean water are:

✿ Clean water is used for drinking .

✿ Water helps in removing waste.

✿ Water protects us from many kinds of diseases.

### C. Fill in the blanks with the words given below :

1. liquid      2. good      3. dust      4. snow      5. fit      6. body

### D. Write true or false :

1. True      2. False      3. True      4. True      5. True

### E. Tick the correct answer :

1. water      2. water      3. diseases      4. lakes

### F. Unscramble the words :

1. Clean      2. Wells      3. Water      4. Rivers

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## 10.

## Weather and Season

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### A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (b) sunny      2. (a) wind      3. (c) autumn      4. (a) coldest

### B. Answer the following questions :

#### 1. What is weather ?

Ans. Weather refers to day to day atmosphere of a particular place and time.

#### 2. What are the things which affect the season ?

Ans. The things affect the season are : Temperature, air, wind and condition of earth.

#### 3. What do you understand by autumn season ?

Ans. Autumn is the season between summer and winter. The air begins to cool in autumn and the weather becomes pleasant. The leaves start to fall off from trees.

4. Write the names of all types of season.

Ans. The names of all types of season are :

- ✿ Summer Season
- ✿ Winter Season
- ✿ Autumn Season
- ✿ Rainy Season
- ✿ Spring Season

C. Fill in the blanks with the words given below :

1. cotton      2. air      3. summer      4. spring      5. humid      6. winter

D. Write true or false :

1. True      2. False      3. True      4. True      5. True

E. Tick the correct answer :

1. hot      2. humid      3. woollen      4. neither

F. Do yourself.

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## 11.

## Light, Sound and Force

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A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (a) light      2. (b) plants      3. (c) sound      4. (b) speak

B. Answer the following questions :

1. What is light ?

Ans. Light is a form of energy which helps us to see things.

2. What is sound ?

Ans. The sound is a pressure wave which is created by a vibrating object. It travels through a medium such as air, water and metal.

3. What is force ?

Ans. A force usually results from an interaction. A force can cause objects to start moving, stop, change direction or move fast or slow.

4. How is a shadow formed ?

Ans. A shadow is formed when the path of light is blocked. It is formed on the opposite side of the source of light.

C. Fill in the blanks with the words given below :

1. kinds      2. lines      3. food      4. noise      5. shadow

D. Write true or false :

1. True      2. True      3. True      4. True      5. True

E. Tick the correct answer :

- (a) very      (b) reflection      (c) move      (d) unpleasant

F. 1. bray      2. mew      3. roar      4. bark      5. croak      6. quack.

G. Do yourself.

H. Do yourself.

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## 12.

## Human Body

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A. Multiple Choice Questions (MCQ) :

Tick (✓) the correct answer :

1. (a) body      2. (b) tongue      3. (c) sound      4. (c) morning



**B. Answer the following questions :**

**1. Write down the names of the sense organs.**

**Ans.** The names of the sense organs are:

- ✿ Eyes
- ✿ Skin
- ✿ Tongue
- ✿ Nose
- ✿ Ears

**2. What are the functions of nose ?**

**Ans.** The functions of nose are:

- (i) We breathe through our nose.
- (ii) We can smell things through our nose.

**3. Can you imagine a body without a heart ?**

**Ans.** No, I don't imagine a body without a heart.

**4. What is the function of nervous system ?**

**Ans.** The function of nervous system is to send messages to the brain with the help of nerves.

**C. Fill in the blanks with the words given below :**

1. lungs      2. 206      3. muscles      4. ears      5. blood vessels

**D. Write true or false :**

1. True      2. False      3. True      4. True      5. False

**E. Tick the correct answer :**

- (a) body      (b) see      (c) five      (d) nose

F. Do yourself.

G. Do yourself.

H. Do yourself.

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## 13.

## Safety Habits and First Aid

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**A. Multiple Choice Questions (MCQ) :**

**Tick (✓) the correct answer :**

1. (c) sudden      2. (b) sharp      3. (c) electricity      4. (c) doctor

**B. Answer the following questions :**

**1. Do you think it is safe to run and play on the road ?**

**Ans.** No, I don't think it is safe to run and play on the road.

**2. What will you do before crossing a busy road ?**

**Ans.**

- ✿ We should cross the road at zebra crossing.
- ✿ We should cross the road when the traffic stops.
- ✿ We should cross the road when signal is red.

**3. List some safety rules you should follow in school.**

**Ans.**

- 1. Walk gently to maintain the discipline.
- 2. Always stand properly and avoid overcrowding during the recess.
- 3. Avoid jumping on the desks and benches.
- 4. Do not run or play in classrooms or on stair ways.
- 5. Do not push others.

**4. What are the safety rules in playgrounds ?**

**Ans.** The safety rules in playground are—

1. Do not play near thorny hedges or barbed wires.
2. Do not abuse anyone.
3. Follow the rules of the game you play.
4. Do not push anyone.
5. Wait for your turn and be patient.

**C. Fill in the blanks with the words given below :**

1. clothes      2. badly      3. accident      4. calm      5. first aid

**D. Write true or false :**

1. True      2. True      3. False      4. True      5. True

**E. Tick the correct answer :**

- (a) fun      (b) zebra      (c) game      (d) adult

**F.** Do yourself.

**G.** Do yourself.

**H.** Do yourself.

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## 14.

## Our Environment

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**A. Multiple Choice Questions (MCQ) :**

**Tick (✓) the correct answer :**

1. (c) mobile      2. (b) living      3. (a) plants      4. (a) animals

**B. Answer the following questions :**

**1. What do you mean by environment ?**

**Ans.** Our environment is everything that makes up our surroundings. It includes all living and non-living things and all which affect us and help us to survive.

**2. What is natural resource ?**

**Ans.** Natural resources are those resources which we take from nature. Natural resources are the gifts of God. For example—Air, water, soil, animals, plants, coal etc.

**3. What is deforestation ?**

**Ans.** Cutting down the trees in a large number is called deforestation.

**4. How do we keep our environment clean ?**

**Ans.**

- ✿ We should recycle the waste products.
- ✿ We should maintain a healthy environment.
- ✿ We should reduce the usage of wood and coal as fuel.
- ✿ We should prevent all types of pollution.

**C. Fill in the blanks with the words given below :**

1. environment      2. wood      3. forests      4. plants      5. drinking

**D. Write true or false :**

1. True      2. False      3. True      4. False      5. True

**E.** Do yourself.

**F.** Do yourself.

**G.** Do yourself.