



# 1

## Types of Plants

### Exercise

**A. Tick (3) the correct answer :**

1. (c), 2. (a), 3. (b)

**B. Fill in the blanks :**

1. hard and thick, 2. season, 3. herbs, 4. weak

**C. Write 'True' or 'False' for the following statements :**

1. False, 2. False 3. True 4. False

**D. Match the following :**

- |             |   |                                      |
|-------------|---|--------------------------------------|
| 1. Herbs    | → | a. are small plants with woody stems |
| 2. Climbers | → | b. grow along the ground             |
| 3. Trees    | → | c. are small plants with soft stems  |
| 4. Shrubs   | → | d. have hard and woody stems         |
| 5. Creepers | → | e. need the support of other plants  |

**E. Answer the following questions :**

- Some plants have weak stems. They cannot grow straight on their own. They need the support of other plants, sticks or wire nets. They are called climbers. Sweet pea plant and Bean plant.
- Plants that live for a few months or one season are called seasonal plants. Examples are coriander, cauliflower and lady's finger.
- Do yourself.
- Herbs are very small plants. They have soft and green stems. Some plants with weak stems grow along the ground. They are called creepers.

**Do and Learn**

**Draw a plant you like the most on a chart paper. Search for that plant in your surroundings. Collect the fallen leaves of that plant. Paste the leaves at the appropriate places on the plant you have drawn. Write its name and a few lines about it. Share the information with your teacher and the class.**

Do yourself.



# 2

## Plants are Useful

### Exercise

**A. Tick (3) the correct picture :**

1. (a), 2. (b), 3. (c), 4. (a)

**B. Fill in the blanks :**

1. onion, 2. pulses, 3. sugar cane, 4. fibre

**C. Unscramble the jumbled letters to name the things we get from plants :**

1. rubber, 2. spices, 3. fibre, 4. gum



**D. Identify the pictures and complete their names :**



**WHEAT**



**AMLA**



**RUBBER  
TREE**



**BROCCOLI**

**E. Answer the following questions :**

1. Carrot and radish.
2. Plants
3. Fibres are used for making clothes, bags, ropes and so on.
4. Furniture and pencil.

**Do and Learn**

- **Plants give us so many things. It is our duty to protect them. Write two slogans to save them.**

Do yourself.



# 3

## Animals Around Us



### Exercise

**A. Tick (3) the correct answer :**

1. (c), 2. (c), 3. (c), 4. (b)

**B. One word for the following :**

1. Herbivores, 2. Carnivores, 3. Omnivores, 4. Scavengers

**C. Write True or False :**

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

**D. Complete this chart :**

Animals that give milk	Animals that carry loads	Animals that give meat	Animals that give leather	Animals that give eggs
Cow	Donkey	Goat	Panda	Hen
Goat	Elephant	Fish	Tiger	Duck

**E. Give reasons, why?**

1. A zoo is a place where wild animals are kept in some limited space where we can see them but, A national Park is a place where animals are kept free in their natural surroundings.
2. Some animals are becoming extinct because, some human beings kills man wild animals for food, skin, medicines, sports or for their body parts.

**F. Answer these questions :**

1. Animals that live in deep and dense forest are called wild animals.
2. Many animals have become extinct from the face of the Earth. Such



animals are called endangered animals.

3. The animals that carry our load are called beasts of burden.
4. Crow called a scavenger because it eat the remains of dead animals.
5. Some human beings kill many wild animals for food, skin, medicines, sport or for their body parts. They are called poachers.

### Do and Learn

- **Help the cat to reach its kitten :**

Do it yourself

- **Paste pictures of some endangered animals in your scrapbook.**

Do it yourself



## 4

## Parts of Animals

### Exercise

- A. Read the following sentences and name as many animals as you can for each :**

1. Mosquito, butterflies, flies
2. Frogs, tortoise, ducks, crabs.
3. Snake, earthworm, lizards

- B. Look at the picture and tell whose parts these are :**



Parrot



Deer



Snake



Hen



Elephant

- C. Look at the picture. Describe how each animals has got some other animal's part :**

1. Giraffe's body has a head of an elephant.
2. Horse's body has an wings of a duck.
3. Dog's body has an horns of a goat.
4. Duck's body has an legs of a dog.
5. Lizard's body has an head of rat.

- D. Match the following :**

- |           |   |              |
|-----------|---|--------------|
| Tortoise  | — | Walks slowly |
| Rabbit    | — | hops         |
| Monkey    | — | jumps        |
| Earthworm | — | creeps       |
| Pigeon    | — | flies in air |
| Fish      | — | swims        |

- E. Circle the errors in the pictures :**

Do it yourself.

**F. Observe the animals in your surroundings and write their names in the correct rows :**

<b>Animals with four legs</b>	Cow, Buffalo, Goat, Cat, Dog, Camel, Rabbit, sheep.
<b>Animals with many legs</b>	Mosquito, Spider, Ant, Centipede, Cockroaches.
<b>Animals without legs</b>	Snakes, Earthworm

**G. Answer these questions :**

1. The chest, abdomen and back are together called the torso.
2. Some animals have horns for protecting themselves.
3. Fish swim in water with the help of their fins.
4. The different modes of movement in animals are hopping, walking, creeping, flying and swimming.

**Do and Learn**

- **Observe the different animals carefully and make a list :**

<b>Animals that fly</b>	Mosquito, Flies, Sparrow, Eagle, Crow
<b>Animals that hop</b>	Rabbit, Kangaroo, Frog
<b>Animals that crawl</b>	Snake, Earthworm, Centipede, Caterpillar
<b>Animals that walk and also fly</b>	Sparrow, Pigeon, Eagle, Parrot
<b>Animals that walk on the ground</b>	Dog, Cat, Cow, Goat, Camel, Tiger
<b>Animals that wim in water</b>	Fish, Tadpole, Crabs, Ducks

- **Draw the picture given below on a sheet of paper. Separate each piece by cutting it out. Join the pieces again to make the picture of an animal :  
Do it yourself.**



**5**

**Our Body**



### **Exercise**

**A. Tick (3) the correct answer :**

1. (c), 2. (b), 3. (a)

**B. Circle the correct answer :**

1. breathe,
2. brain,
3. skin,
4. muscles

**C. Write the word for these groups of words :**

1. External organs, 2. Brain, 3. Stomach, 4. Bones, 5. Rib cage



**D. Here are pictures of things which can be good for your bones or bad for your bones. Tick (3) those which are good and cross (8) those which are bad :**



**E. Fill in the blanks :**

1. blood, 2. muscles, 3. controls, 4. skeleton

**F. Write True or False :**

1. False, 2. False, 3. True

**G. Match the following column A correctly with column B :**

Skeleton — gives shape and support to the body.

Muscles — are found in the body where two or more bones join

Joints — help bones to move

Exercise — keeps the body fit and muscles strong

Correct posture — is the correct way of sitting, standing and walking the body

**H. Answer these questions :**

1. We look different because of our size, shape and complexion.
2. Our skin colour is also different this is called complexion.
3. Our body is made up of bones and muscles.
4. The place where two or more bones meet and join is called a joint.
5. We can make our bones and muscles strong by exercising regularly.

**Do and Learn**

Do it yourself



**6**

**Sense Organs**



**Exercise**

**A. Tick (3) the correct answer :**

1. (a), 2. (b), 3. (a), 4. (a)

**B. Fill in the blanks :**

1. surroundings, 2. blink, 3. skin, 4. ears, 5. sense organs

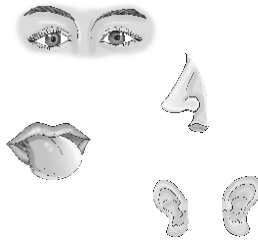
**C. Write True or False :**

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



**D. Match the senses :**

- Sight —
- Smell —
- Taste —
- Hearing —



**E. Answer these questions :**

1. Our eyes, ears, nose, tongue and skin help us to see, hear, smell, taste and feel things around us. They are called sense organs.
2. Very loud and continuous harsh sounds which we do not like to listen is called noise.
3. We want to listen soft music and birds chirping.
4. Our tongue help us to talk and taste different types of foods.
5. We should brush our teeth twice a day.  
Clean your tongue while brushing.  
Wash your mouth after eating every meals to remove the food particles.

**Do and Learn**

Do it yourself



**7**

**Food for Health**



**Exercise**

**A. Tick (3) the correct answer :**

1. (a), 2. (c), 3. (b), 4. (a)

**B. Fill in the blanks :**

- |                          |            |
|--------------------------|------------|
| 1. work and play,        | 2. dinner, |
| 3. fresh and well-woked, | 4. sick,   |
| 5. vegetarians           |            |

**C. Match the column A with column B :**

Column A	Column B
1. Fruit	a. egg
2. vegetable	b. rice, wheat
3. cow	c. apple, grapes
4. Hen	d. Cabbage, carrot
5. Food	e. milk

*Note: Lines connect 1 to c, 2 to b, 3 to e, 4 to d, and 5 to a.*

**D. Write True or False :**

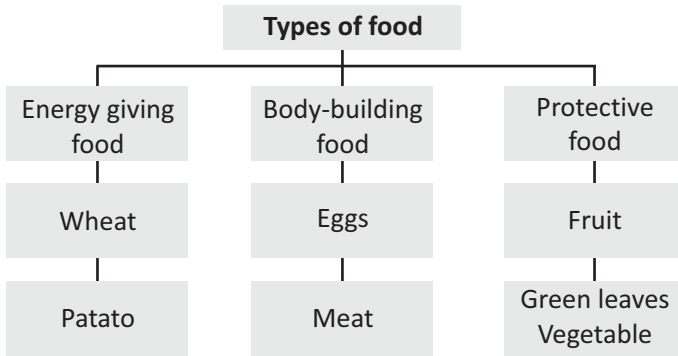
1. False, 2. True, 3. False, 4. True, 5. False

**E. Answer these questions :**

1. Food is important for the growth and development of our body.
2. The foods that help to grow our bones and muscles are called body building foods.
3. We get milk, eggs and other milk products from animals. we also get meat from many animals.
4. The three meals of the day are-  
breakfast, lunch and dinner.
5. Four good food habits are:  
Wash your hands before and after having your meals.  
Always eat food at a clean place.  
Do not buy food from street vendors.  
Drink a lot of water everyday.

**Do and Learn**

- **Complete the chart :**



**8**

**Precious Water**



**Exercise**

**A. Tick (3) the correct answer :**

1. (c), 2. (b), 3. (a), 4. (a)

**B. Circle the odd one out :**

- |           |        |          |          |
|-----------|--------|----------|----------|
| 1. well   | puddle | tubewell | handpump |
| 2. drink  | sleep  | wash     | bathe    |
| 3. stream | river  | jug      | pond     |
| 4. bucket | jug    | river    | bottle   |

**C. Fill in the blanks :**

1. We,                      2. Ponds, canals, dams,      3. clean and closed,  
4. boiling,              5. wells



**D. Write True or False :**

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

**E. Match the columns :**

- | Column A          |   | Column B                    |
|-------------------|---|-----------------------------|
| 1. Ocean water    | → | a. kills germs              |
| 2. Boiling        | → | b. collection of rain water |
| 3. Water purifier | → | c. dissolved salts          |
| 4. Ground water   | → | d. cleans water             |
| 5. Dams           | → | e. reserve surface water    |

**F. Answer these questions :**

- We need water for drinking, cooking, bathing, washing etc.
- Three sources of water are :
  - River
  - Pond
  - Rain
- The rain water we see on the earth is called surface water.
- we get ground water from hand pumps and tube wells.
- Three ways of saving water are :
  - ! We should never waste water while bathing, washing and brushing.
  - ! We should always turn off the tap when it is not in use.
  - ! We should collect rain water in bucket, drum or tank.

**Do and Learn**

Do it yourself



# 9

## Forms of Water



### Exercise

**A. Tick (3) the correct answer :**

1. (c), 2. (b), 3. (a), 4. (c)

**B. Unscramble the given words with the help of clues given below :**

1. ICE, 2. STEAM, 3. RAIN, 4. CLOUD, 5. SUN

**C. Fill in the blanks :**

1. steam, 2. melts, 3. clouds, 4. Rain, 5. water droplets

**D. Write True or False :**

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

**E. Answer these questions :**

- The three forms of water are- solids, liquid and gaseous.
- The process of conversion of water into ice is called freezing.
- When water vapour rise in the sky, it cools that air and form small water droplets. This process is called Condensation. These water droplets together form the clouds.
- The sunlight heats the water of ponds, rivers, lakes and seas. This process is called evaporation.





5. When water vapour rise in the sky, it cools that air and form small water droplets. This process is called condensation.

**Do and Learn**

Do it yourself



**Exercise**

**A. Tick (3) the correct answer :**

1. (b), 2. (c), 3. (a), 4. (b)

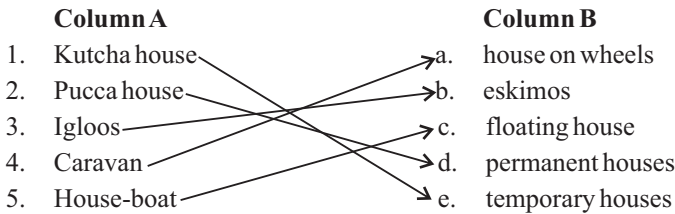
**B. Fill in the blanks :**

1. Heat, cold and rain,                      2. Kutcha,                      3. flat,  
4. canvas,                                      5. clean and tidy

**C. Write True or False :**

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

**D. Match the column A with column B :**



**E. Answer these questions :**

- We need a house to live in, our houses protects us from heat, cold, rain and wild animals.
- The houses that can be moved from one place to another easily such houses are called temporary houses.  
For example : tent, caravan etc
- People who live at one place for a long time build permanent house.  
For example : kutcha house and pucca house.
- Flat roofs    Sloping roofs  
1. House in plains                                      Houses on hills and  
usually have flat                                      mountains have sloping  
roofs.    roof.  
2. Flat roofs made                                      Sloping roofs help rain  
up of concrete and                                      water and snow to fall  
tiles.    off easily.
- The characteristics of a good house are-  
! A good house should be clean and airy.

- ! It should have big doors and window for air and light.
- ! It should have proper drainage system.

**Do and Learn**

Do it yourself



# 11

## Simple Machines



### Exercise

**A. Fill in the blanks :**

1. force,    2. machine,    3. fulcrum,    4. pulley

**B. Write True or False :**

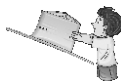
1. False,    2. False,    3. True,    4. True,    5. True

**C. Match the picture with the type of simple machines :**

Wedge



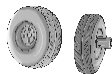
Inclined plane



Pulley



Wheel and axle



Screw



Lever



**D. Match the following :**

- |               |   |                |
|---------------|---|----------------|
| 1. Ramp       | — | inclined plane |
| 2. Seesaw     | — | lever          |
| 3. Knob       | — | wheel          |
| 4. Bottle cap | — | screw          |

**E. Answer these questions :**

1. A machine is a device that make it easier for people to do work.
2. Screw driver, knife, shovel, broom, are some simple machines.
3. Wheel and axle, lever, pulley, inclined plane, wedge and screw are types of simple machines.
4. A screw is a spiral wrapped around centre post. When you turn it, it can lift objects or hold two objects together.

**Do and Learn**

Do it yourself



**Exercise****A. Fill in the blanks :**

1. sound, 2. energy, 3. sound wave, 4. high

**B. Circle the picture that produces musical sound and cross that produces noise :**

Do it your self

**C. Answer these questions :**

1. When we vibrate something it produces sound.
2. Sound is energy that is made by vibrations.
3. If our ear is within the range of the vibrations, a sound can be heard.
4. The scientific study of sounds waves is called acoustics.
5. Sound is used by animals to detect danger, warning them of possible attacks before they happen.

**Do and Learn**

Do it yourself

**Exercise****A. Tick (3) the picture that need energy :****B. List some activities that need energy :**

1. We need energy to walk.
2. We need energy to play.
3. We need energy to study.
4. We need energy to run.
5. We need energy to write.
6. We need energy to talk.

**C. Answer these questions :**

1. Energy is the ability to do work.
2. Stored energy is called potential energy.
3. Moving energy is called kinetic energy.

**Do and Learn**

Do it yourself



**Exercise****A. Tick (3) the correct answer :**

1. (b), 2. (b), 3. (b), 4. (c)

**B. Fill in the blanks :**

1. air, 2. cover, 3. windows, 4. Smoke and dust, 5. wet

**C. Write True or False :**

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

**D. Answer these questions :**

- Air is a gas. It is a mixture of lots of different substances. The most common gases in air are nitrogen, oxygen and ozone. It also have water-vapour, carbon-dioxide, dust particles, germs and many other substances.
- Moving air is called wind.
- Four uses of air are-
  - ! Air is used to move the vanes of a wind mil.
  - ! Air help to fly kites
  - ! Air helps airplanes and other things to fly.
  - ! Air also helps in drying wet clothes.
- Smoke of industries makes the air impure.
- We should keep the doors and window of our home open to let in fresh air.

**Do and Learn**

Do it yourself

**Exercise****A. Tick (3) the correct answer :**

1. (a), 2. (b), 3. (a)

**B. Tick (3) the correct answer :**

- There are **eight**/nine planets in the Solar System.
- Pluto is a planet/**dwarf** planet.
- The Earth takes **24**/27 hours to complete one rotation.
- The moon takes **27.3**/30.6 days to revolve around the Earth.
- A group of stars is called a **constellation**/planetarium.

**C. Name the word :**

- |               |                |
|---------------|----------------|
| 1. PLANETS,   | 2. ATMOSPHERE, |
| 3. TELESCOPE, | 4. MOON        |

**D. Fill in the blanks :**

1. Earth,                      2. astronaut,                      3. atmosphere,



4. planets,                      5. east, west,                      6. telescope.

**E. Write True or False :**

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

**F. Give reasons, why?**

1. Stars are very big, but appear as tiny as dot, because far away from the Earth.

**G. Answer these questions :**

1. Earth, Moon, Sun and stars are known as heavenly bodies.
2. The Sun, eight planets and their satellites together are called Solar System.
3. Days and nights caused due to the rotation of the Earth.
4. The heavenly bodies that moves round the planets are called satellites.
5. There is no life on the moon because the moon has no air and no water.

**Do and Learn**

- **Help the astronaut to reach to the earth :**

Do it yourself.



**16**

**Light and Shadow**



**Exercise**

**A. Tick (3) the correct answer :**

1. (a), 2. (a), 3. (a), 4. (b)

**B. Fill in the blanks :**

1. hot gases,    2. Sun,    3. opposite,    4. light,    5. shortest

**C. Write True or False :**

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

**D. Match the following :**

The source of energy on the Earth — Sun

The shape formed when path of the light is blocked — shadow

Longer shadow — in the morning

Growth of plants — Sun's energy.

**E. Complete the following :**

1. Various sources of light **torch, bulb, tube light.**
2. Opaque objects **books, beds, tables, chairs, doors, wall.**
3. Transparent objects **glass, mirror.**
4. Translucent objects **deeply coloured glass, waxed paper, dirty water and plastics.**

**F. Give reasons, why ?**

1. A shadow cannot be found in the dark room because shadow are formed when an opaque object is placed in the path of light rays.



**G. Answer these questions :**

1. The Sun help us to see the world around us.
2. We can see things when light from a source enters our eyes.
3. An opaque object is any object you cannot see through such as, walls, table etc.
4. Shadows are formed when an opaque object is placed in the path of light rays.
5. Shadows are the shape formed when path of the light is blocked.

**Do and Learn**

Do it yourself