

CLASS-3- SCIENCE

Ch-1-The Plant World

1.State whether the following statements are True or False.

- a)Photosynthesis is carried out by the roots of a plant.
- b)Iodine solution gives pink colour in the presence of starch.
- c)Stomata help in the exchange of gases between the leaves and the surrounding.
- d)Plants and animals are interdependent for their survival.
- e)Leaves of different plants are the same shape and size.

2.Give one word answer for the following:-

- a)The process of preparing food by green plants.
- b)The gas released by plants during the process of photosynthesis.
- c)The breathing part of a leaf.
- d)The green coloured substance present in leaves.
- e)A chain of organisms in which each organism depend on the previous and for food.

3.Answer the following questions:-

- a)What role do stomata play in a plant?
- b)Why is a leaf called the food factory of a plant
- c)Name the various parts of a leaf and mention their functions.
- d)What is Food chain?
- e)What is the role of plants in maintain a balance in nature?
- f) What is photosynthesis?Decribe the process of photosynthesis in plants.
- g)Explain how animals depend on each other for food.
- h)How is the food sent to the different parts of the plant?

ANSWER

- 1.a)False b)False c)True d)True e)False

2.a)Photosynthesis b)Carbon dioxide c)Stomata d)Chlorophyll e)Food chain

Ans-3a)Stomata have two main functions,namely they allow for gas exchange acting as an entryway for carbondioxide and releasing the oxygen that we breath.The other main function is regulating water movement through transpiration.

b)Leaf of the plant is called its food factory because it produces food for the plant using sunlight,water and carbon dioxide.

c)Functions of different part of a leaf are as follows:-

i)Petiole-A Petiole attaches the leaf to the stem and contains vascular tissue that provides a connection from the stem to permit sap to enter the leaf and products of photosynthesis to be transported from the leaf to the rest of the plant.

ii)Leaf Blade:-It is generally broad and flat.It is in this layer that photosynthesis occurs.It contains a prominent midrib at the center of the leaf blade which is the main vein.

iii)Midrib:-The function of midrib in a leaf is to give the leaf support so it won't bend and break in half.It is a line that is located in the leaf.

iv)Vein:-Veins are actually channels which help in the transportation of water,minerals and food between leaves and the varius parts of the plant.

v)Tip:-The Tip is part of the of the leaf blade which farthest removed from the point of attachment of the leaf to the stem.

d)A food chain is a linear network of links in a food web starting from producer organisms and ending at apex predator species,detritivores or decomposer species.A food chain also show how the organisms are elated with each other by the food they eatEach level of a food chain represent a different trophic level.

e)Plants keep ecological balance by providing oxygen to living organisms and absorb carbon dioxide released by them.Oxygen is also necessary for fire which provide us heat and food.Plants also a big source of shelter for many organisms and important part of food chain within an ecosysytem.

f)Photosynthesis is the processby which plants make their own food . Green plants use sunlight to make their own food.Green plants use this light energy to change water and carbondioxide into oxygen and nutrients called sugars..

The process of photosynthesis are as follows-

i)The plant takes in carbon dioxide in the atmosphere through the stomata on its leaves.

ii)Water gets into the plant mainly through the roots and finds its way to the leaves,where photosynthesis occur.

iii)Chlorophyll,the green coloring matter of the leaf ,traps the energy from sunlight as it shines on the leaf.

iv)The solar energy is used to break water down into hydrogen and oxygen .Then hydrogen is combined with carbon dioxide to make sugar,which is fod for plant.Oxygen is released as byproduct through the stomata.

g)Plants and animals depend upon each other as mutual interdependence is must for their survival.Plants provide shelter for animals and they make oxygen for the animals to live.When animals die they decompose and become natural fertilizer plants.Plants depend on animals for nutrients,Pollination and seed dispersal.

h)The food which is prepared by the process of photosynthesis in the leaves of a plant has to be transported to other parts like stem,roots,branches etc.Therefore this food is transported to other parts of the plant through a kind of tubes called Phloem.Phloem is is the tissue in plants that conduct food made in the leaves to all other part of the plant .It is found inside stem,roots and leaves .

CLASS-1

Ch-1- our Body and Movements

A.1.Tick the correct answer:-

a)The framework of our body is formed by

i)Bones () ii)Muscles ()

b)An adult has

i)206 bones () ii)260 Bones ()

c)Our body gets its shape because of

i)Muscles () ii)Bones ()

d)Muscles can become stronger if we

i)Watch TV () ii)Exercise ()

2.Write True or Flase for the following statements :-

a)Our heart beats because of bone. ()

b)Exercise makes our muscles strong. ()

c)There are more than 600 muscles in our body.()

d)Bones are softer than muscles. ()

3.Fill in the blanks:-

a)Bones and muscles are covered with _____

b)While sitting,do not bend your _____

c)The bones and muscles of our body work _____

d)The bones of our body form the _____

4.Answer the following questions:-

a)What is Skeleton?

b)Why is the skeleton important?

c)What is joint ?

d)What is posture?

e)How can we make our muscles strong?

Answer

1.a) Bones b)206 bones c)bones d)exercise

2.a)False b)True c)True d)False

3.a)Skin b)Shoulders c)Together d)Skeleton

4.a)A skeleton is an internal or external framework of bone which provide support,shape and protection to the soft organ of our body.

b)The skeleton is the frame of our body.The skeleton supports the skin,muscles and all the organs that are inside the body.The skeleton protects important internal organs like the brain,heart and lungs.

c)Posture is the position in which we hold our bodies while standing ,sitting or lying down.Correct posture gives proper shape to our body.It helps the body parts to work properly.

d)To make our muscles strong we should follow these steps:-

i)We must play ,swim ,run and do other work.

ii)Our muscles become strong when we exercise regularly

iii)Eating healthy food makes our muscles strong.

CLASS-UKG

Ch-1-My Surroundings

1. Tick the correct answer:-

a) We should keep our surroundings

i) Dirty () ii) Clean ()

b) We can make the air clean by

i) Planting trees () ii) Cutting trees

c) We should throw waste

i) on the road () ii) in the dustbin ()

2. Write True or False for the following statements-

a) Plants help to keep the air clean ()

b) Living in dirty surroundings will make us healthy. ()

c) We can see lions around us. ()

d) Plants make our surroundings clean. ()

3. Answer the following questions:-

a) What is a surrounding?

b) Why should we grow more plants?

c) Where should we throw waste?

d) Write any two things that you can do to keep your surrounding clean.

Answer

1. a) Clean b) Planting trees c) in the dustbin

2. a) True b) False c) False d) True

3. a) The area around us is called our Surroundings. We can see plants, houses, people and cars around us.

b) We grow more plants because plants are our friends. They keep the air fresh and clean.

c) We should throw waste in the dustbin.

d) i) We can keep our surrounding green by growing plants.

ii) We should throw waste in the dustbin.