

NEW ERA PUBLIC SCHOOL RAIJAGHSolved Assignment of Term - Ist, '2021'Topic :- HOW PLANTS MAKE FOODCLASS :- 4thLesson no. :- 06SUBJECT :- SCIENCE

(A) Answer the following questions.

Q1 Why is sunlight important for a plant to make its food?

Ans Sunlight is important because they provide the energy needed for a plant to make its food.

Q2 A plant cannot make food without chlorophyll. Why?

Ans This is because chlorophyll is the only substance which helps in trapping the energy of the sunlight.

Q3 Where do plants store their extra food?

Ans Plants store their extra food as starch in roots, stems, leaves, fruits and seeds.

Q4 How do plants use the food they prepare?

Ans The food prepared by the plant is taken through the veins and stem to all parts of the plant for growth, making flowers, fruits and seeds and repairing damages.

Q5 Why should we maintain the balance between plants and animals in nature?

Ans In nature, a balance is maintained between (P.T.O)

the number of plants and animals because plants get enough carbon-dioxide from animals to make food and animals get food and oxygen from plants to survive.

(A) Multiple choice questions:-

Answers

- 1, c, oxygen 2, a, stomata 3, b, carbon-dioxide and water
4, b, starch 5, a, carbon-dioxide is used and oxygen is released.

(B) Mark '✓' for true and 'x' for false statements.

Answers

- 1, x 2, ✓ 3, x 4, x

(C) Match the words in the two columns

Answers

- 1, - d. substance that traps sunlight.
2, - c. taken up by roots.
3, - b. tiny holes on the underside of a leaf.
4, - e. stored food in plants.
5, - a. food factory of the plant.

(D) What am I?

Answers

- 1, Chlorophyll 2, Vein 3, Carbon-dioxide 4, oxygen
(P.T.O)

Topic :- ADAPTATIONS IN PLANTSLesson no. :- 07Answer the following questions:-

Q1 Some desert plants have roots that grow very deep into the soil. Why?

Ans This is because in desert areas there is very less rainfall, so the roots grow very deep to reach the site of water.

Q2 Why do some trees lose their leaves in winter?

Ans Some trees lose their leaves in winter to protect themselves from the cold.

Q3 Why do some plants eat insects?

Ans They do this to obtain the minerals needed for their growth.

Q4 Where do mushrooms and moulds grow?

Ans Mushrooms and moulds grow on dead animals or plants and on stale food.

(A) Multiple choice questions:-

Answers

- 1, a, They do not produce flowers. 2, d, maple
 3, c, Water hyacinth 4, b, pitcher plant 5, d, all of these.

(B) Give one word for the following.

Answers

(P.T.O)

- 1, Terrestrial 2, Evergreen 3, Deciduous 4, Aquatic
5, Insectivorous

(D) How do the following help the plants to survive

Answers

- 1, Stores water in its thick stem.
- 2, protects the trees from snowfall.
- 3, act as a breathing tube.

Topic :- ADAPTATIONS IN ANIMALS

Lesson no. :- 08

Answer the following questions:-

Q1 What is a habitat?

Ans The surroundings or the environment in which an animal or a plant lives is called its habitat.

Q2 Why do some animals hibernate in water?

Ans Animals hibernate in order to conserve energy and survive during the winter, when the finding of food is much harder.

Q3 How do the following animals breathe?

(i) Camel breathe through lungs.

(ii) Fish breathe through gills.

(iii) Frog breathe through lungs on land while in water they breathe through their skin.

(P.T.O)

Q4 Why do birds migrate?

Ans Birds migrate in order to find the better living conditions.

Q5 What kind of teeth do the following animals have?

Ans. Animals

Kinds of teeth

1, Horse

They have sharp front teeth to cut grass and leaves and flat grinding teeth at the back to chew their food.

2, Cheetah

They have long sharp teeth to tear the flesh.

Q6 How do the following animals protect themselves from their enemies?

Ans i) Chameleon :- They can change their skin colour to match the colour of their surroundings.

ii) Deer :- They protect themselves by using their antlers or by using their great speed to escape.

iii) Tortoise :- They have hard shell covering to protect themselves from their enemies.

P.T.O

(A) Multiple Choice questions:-Answers

- 1, a, in hot places 2, c, frog 3, c, squirrel
 4, d, They eat both plants and animals.
 5, c Zebra.

(B) Give one word for the following.Answers

- 1, Hibernation 2, Migration 3, Camouflage.

(D) Mark '✓' for true and 'X' for false statementsAnswers

- 1, ✓ 2, X 3, ✓ 4, X 5, ✓

Half Yearly Examination

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Answer the following questions:-

Q1 What is leather made from?

Ans Leather is made from the animal skins.

Q2 Which gas is given out during photosynthesis?

Ans Oxygen gas is given out during photosynthesis.

Q3 Does photosynthesis stop at any time of the day? Why, or why not?

Ans No, because photosynthesis requires light, so it is associated with daytime and sunlight.

Q4 What are preservatives? Name two food preservatives.

(p.T.O)

Ans Preservatives are the chemicals that are added to food to stop them from spoiling. oil and sugar are the two food preservatives.

Q5 Where in the digestive system is the digested food absorbed into the blood? What happens to the undigested part of food?

Ans In small intestine, the digested food is absorbed into the blood. The undigested part of the food passes out of the body through the anus.

Q6 List three natural fibres and mention where we get each from.

Ans Cotton, wool and silk are the three natural fibres. We get cotton from the cotton plant, wool from the sheep and silk from the silkworm.

Q7 How do the roots of the cactus grow?

Ans The roots of the cactus plant spread out just under the surface of the soil.

Q8 Where do mangrove trees grow? How are their roots adapted to that place?

Ans Mangrove trees grow in marshy or swampy places. Their roots grow above the soil and are called breathing roots.

Q9 What is a balanced diet? List the food groups it includes with one example of a food from each group.

(P.T.O.)

Ans The diet which contains all the types of nutrients in right amount is called a balanced diet. A balanced diet includes the following food groups.

1. Protein group :- Meat
2. Milk group :- Cheese
3. Vegetable and fruit group :- fresh fruits and vegetables
4. Cereal group :- Rice.

Q10 Name the five nutrients in our food. Mention one importance of each.

<u>Ans</u>	<u>Nutrients</u>	<u>Importance</u>
1.	Carbohydrates	They give our body quick energy.
2.	Proteins	They help us to grow.
3.	Fats	They keep our body warm.
4.	Vitamins	They help our body to fight against diseases.
5.	Minerals	They help our body to work properly and stay healthy.

Q11 What will happen to your teeth if bits of food stuck between them are not removed?

Ans If bits of food stuck between the

(P.T.O)

Teeth are not removed, small living things called germs start growing on them.

Q12 What is photosynthesis?

Ans The process by which green plants make their own food is called photosynthesis.

Q13 Underwater plants have long, thin leaves. Mention three other adaptations they have for living under water. What would happen if they had big, broad leaves?

Ans The three other adaptations underwater plants have for living under water are given below:

1. They breathe through their body surface.
2. They absorb carbon-dioxide given out by animals living in the water.
3. The stems are flexible and have air spaces.

If underwater plants had big, broad leaves, it will damage the plant.



Practice the Chapter wise diagrams along with labelling of the following

1. Process of photosynthesis - Page no. 41
2. Veins of a leaf - Page no. 41

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- 3, Two desert plant — page no. 48
- 4 Two aquatic plant — page no. 51



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