



HOLIDAYS HOMEWORK

2020-
2021

HOLIDAY HOMEWORK

CLASS 4 GENERAL SCIENCE

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1. Green Plants – The Food Producers

Answer the following questions.

1. Why are only green plants able to produce their own food?
2. Why are leaves called the food factory of a plant?
3. Define photosynthesis.
4. How do non-green plants obtain their food?
5. In what ways plants, human beings and animals depend on each other?

State whether the following statements are True or False.

1. Plants breathe through chlorophyll. _____
2. Food is stored in plants in the form of starch. _____
3. If we put a few drops of iodine on a dry leaf, it turns blue-black in colour. _____
4. Mushrooms have variegated leaves. _____
5. Plants and animals are dependent on each other. _____

Fill in the blanks.

1. Plants breathe through tiny openings called _____.
2. _____ traps the sunlight used for preparation of food.
3. The food prepared by a leaf is called _____.
4. Apart from food, _____ is also given out by plants during photosynthesis.
5. Plants give _____, _____ and oxygen to human beings.

Match the following.

Column A

1. Tiny openings in leaves
2. Variegated leaves
3. Non-green plant
4. Food prepared by plant
5. Stored food in leaves
6. Green pigment in leaves

Column B

- (a) Moulds
- (b) Sugar
- (c) Starch
- (d) Chlorophyll
- (e) Croton plant
- (f) Stomata

Tick the correct answer.

- 1. Plants take in carbon dioxide from the atmosphere through
 - (a) roots.
 - (b) stomata.
 - (c) stems.
 - (d) chlorophyll.

- 2. Which amongst these plants have leaves in the form of spines?
 - (a) Cactus
 - (b) Croton
 - (c) Moulds
 - (d) Money plant

- 3. Which of these plants does not contain chlorophyll?
 - (a) Cactus
 - (b) Mushroom
 - (c) Money plant
 - (d) None of these

- 4. Which of these is not required by plants during the process of photosynthesis?
 - (a) Water
 - (b) Sunlight
 - (c) Carbon dioxide
 - (d) Oxygen

- 5. Which of the following leaf will turn blue-black when a few drops of iodine solution are put on it?
 - (a) A fresh green leaf
 - (b) A dried yellow leaf
 - (c) A leaf from a plant kept in a dark room
 - (d) None of these

2. Adaptations for Survival in Plants

Answer the following questions.

1. Why do plants develop adaptations?
2. What is a habitat? Name the two types of habitats of plants.
3. What are the adaptations of the plants that grow in the following regions?
(a) Plains (b) Hills (c) Coastal areas
4. What are fixed plants? What are the adaptations found in these plants?
5. What are insectivorous plants?

State whether the following statements are True or False.

1. Mango is a terrestrial plant. _____
2. Plants growing in plains are adapted to survive with least amount of water. _____
3. Water lily is an underwater plant. _____
4. Mushrooms make their food through photosynthesis. _____
5. Plants growing in coastal areas do not shed their leaves throughout the year. _____

Fill in the blanks.

1. Plants that grow in water are called _____ plants.
2. Plants that are adapted to grow in _____ have long root system that go deep into the ground.
3. Pine tree has _____ and _____ leaves.
4. In floating plants, _____ is present in the upper surface of the leaves.
5. There is no _____ in the leaves of underwater plants.

Give one word/a few words answer for the following.

1. The region where a living thing lives or grows naturally
2. Plants that grow on land

3. Plants that are not fixed at the bottom of the water body and have a fibrous root system
4. Plants completely submerged in water
5. Plants with leaves modified to capture insects

Match the following.

Column A

1. Cedar
2. Teak
3. Mangrove tree
4. Date palm
5. Sheesham

Column B

- (a) Plains
- (b) Deserts
- (c) Hills
- (d) Marshy places
- (e) Coastal areas

3. Reproduction in Animals

Answer the following questions.

1. What is reproduction?
2. Define mammals. Give examples.
3. Write some features of mammals.
4. What are the different stages of development in amphibians?
5. Discuss the life cycle of a housefly.
6. How do reptiles reproduce?

State whether the following statements are True or False.

1. Birds that lay eggs are called mammals. _____
2. Mammals are warm-blooded animals. _____
3. The yellow coloured middle part of the egg is called albumen. _____
4. Cockroaches have four stages of development. _____
5. A tadpole breathes through gills. _____
6. A larva is called caterpillar in case of a butterfly. _____

Fill in the blanks.

1. Mammals have a highly developed _____.
2. Inside the yolk lies an _____ which later develops into a chick.
3. Frogs lay their eggs in large clusters called _____ in water.
4. The process of change of a tadpole into an adult is called _____.
5. The albumen is rich in _____.

Give one word/a few words answer for the following.

1. Animals that maintain constant body temperature despite changing climatic conditions
2. An organism at any time before hatching or birth
3. An animal which is capable of living both on land and in water
4. Larva of a housefly
5. Animals that give birth to their young ones

Match the following.

- | Column A | Column B |
|-------------------|-----------------------|
| 1. Seal | (a) Aquatic animal |
| 2. Spiny anteater | (b) Caterpillar |
| 3. Fish | (c) Egg-laying mammal |
| 4. Cockroach | (d) Mammal |
| 5. Butterfly | (e) Nymph |

Activity Time



Make two charts on thick papers on the following topics-:

- 1) Habitat of animals (paste or draw and colour the pictures of different animals living in different habitats and write three/four lines on them)
- 2) Habitat of plants (paste the pictures of different plants living in different habitats and write three/four lines on them)
- 3) On a A4 size sheet draw and label (any two lifecycles of animals and colour neatly)