

STUDY MATERIAL (2019-2020)

CLASS: 4TH STD

SUBJECT: SCIENCE

CHAPTER: 1

PLANT CLASSIFICATION

Tick the correct options

1. Plants which grow underwater are called-

Ans: Submerged plants

2. Insectivorous plants eat insects because they-

Ans. Do not get nitrogen from the soil where do they grow

3. Cactus and other desert plants store water in their

Ans. Stems

4. The plants and trees that grow in areas of heavy rainfall are called-

Ans. Evergreen trees

5. Fir trees are used to Christmas trees they grow-

Ans. On the hills and mountains

SHORT ANSWER QUESTIONS

1. Trees that grow in areas with heavy rainfall generally have broad leaves. In what ways can these leaves be useful for the plants?

Ans. Broad leaves are very efficient at photosynthesizing. They help to cope with their environment where they live.

2. Some plants eat insects. What are they called? Why do they eat insects?

Ans. Plants that eat insects are called insectivorous plants. These plants grow in the soil that is poor in nitrogen .They eat insects only to fulfill the shortage of nitrogen.

3. Plants that grow on the hills and mountains are also known as conifers. Why?

Ans. Plants that grow on the hills and mountains are also known as conifers because of their cone shaped structure.

4. Write any two differences between plants that grow on land and plants that grow in water.

Ans.

| Plants that grow on land | Plants that grow in water |
|---|--|
| 1. These plants have solid stems | 1. These plants have thin, long and hollow stems. |
| 2. Leaves of these plants are thin and flat which help them in transpiration. | 2. Leaves of these plants are broad and flat with a wax w coating. |

5. What are evergreen trees? Give example.

Ans. Trees that remain green throughout the year are known as evergreen trees e.g. Coconut tree

LONG ANSWER QUESTIONS

1. Riya saw various kinds of aquatic plants in a pond when she was walking around a park. Observe the given plants and help her to write differences between these two plants.

Ans. There are three kinds of aquatic plants in a pond: Fixed plant (water lily) and floating plant (water hyacinth).

| Floating plants | Fixed plants |
|--|--|
| 1. They float on the water surface as they have spongy bodies with lot of empty space filled with air. | 1. They have roots fixed to the bottom of the pond |

2. Give reason for the following-

a. Coconut tree is an evergreen tree but it grows on the sea coasts

Ans. Because they need salty water to grow and survive.

b. Plants that grow in the desert have spines as modified leaves and their stems are fleshy

Ans. This is an adaptation to store water to, survive in deserts.

c. Mangrove trees have breathing roots.

Ans. It is because air cannot reach the roots as the soil is sticky and clayey.