

19 Looking Around Abdul In The Garden

Grade - 4

Classnotes

Choose the correct option :

1. The pea plant is a

- a. herb
- b. shrub
- c. creeper
- d. climber

2. Roots that store food are

- a. mango
- b. strawberry
- c. radish
- d. grass

3. Seeds germinate when there is

- a. air
- b. water
- c. warmth
- d. all of these

4. Where was Abdul helping his father?

- a. In the garden
- b. In the playground
- c. In the school
- d. In the house

Fill in the blanks with suitable words :

1. The two main system of a plant are the shoot system and the root system.
2. The part of the plant that grows above the soil is called shoot system.
3. Roots of banyan tree give extra support to the tree.
4. Desert Oak tree is found in Australia.
5. Roots hold the plants to the soil.
6. Roots absorb water and minerals from the soil.
7. Ficus (fig) trees have buttress root.

State whether the following statement is true or false :

1. The plumule develops into the root.
2. Our hair keep growing throughout our life.
3. Brinjal is the root we eat.
4. The roots of grass go deep into the soil.
5. Roots fix the tree in the soil.



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Match the items given in column A with those in column B :

A	B
1. mangroves	a. propagative roots
2. banyan tree	b. storage root
3. carrot	c. breathing roots
4. cherry	d. aerial roots

Answers

1 - c 2 - d 3 - b 4 - a

Define the following terms :

1. propagative roots

Cherry and strawberry produce buds along the root that grows near the surface of the ground. These buds grow into new plants. These types of roots are called propagative roots.

2. breathing roots

Plants in the marshy and waterlogged area grow roots above the soil. These roots are called breathing roots like mangroves.

Distinguish between the following :

1. taproot and fibrous root

taproot	fibrous root
Taproot is also known as primary roots. It grows vertically downward.	Herbs and grasses have many thin roots that spread out from the base of the stem.
Big trees like mango, neem and bushes like rose, lemon plants have such roots.	Grasses and plants with green stems have such roots.

Give reason for the following statements :

1. Areas around trees should not be cemented.

When concrete is placed over the roots, the tree is unable to take in water and oxygen. As a result, laying concrete under an existing tree may result in the tree's death.

2. It is important to remove weeds from the fields.

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It is important to remove weeds from the fields as they absorb important nutrient and water from the soil, thus reducing crop production.

Answer the following questions in a word or sentence :

1. What is a branch and why does it dry up when broken?

The branches (stem) carry water from roots and food prepared in the leaves to all parts of the plant. A broken branch dries up because it does not get food or water.

2. As the seed germinates, what is the first thing that comes out?

When a seed germinates, the radicle or the root grows first, in the downward direction and the shoot or the plumule grows upwards.

3. List the three conditions that are essential for a seed to germinate.

The three conditions essential for the seed to germinate are:

1. Seeds need air.
2. They need water.
3. Seeds need the warmth to germinate.

4. How do we know that plants are living things?

Plants are living things because they grow, reproduce, respond, are sensitive and die. Animals and humans are also living things.

5. What is the function of roots?

Roots fix the plant in the soil, absorb water and minerals from the soil.

6. How are the roots of the banyan tree different from other trees?

The hanging branches of the banyan tree are actually the roots of the tree. These grow down from the branches until they reach the ground. These roots are like pillars that provide strong support to the tree.