

Caring for Plants

Plants are very useful to us. We get many things from plants like fruits and vegetables, wood, medicines, oil, cereals and pulses, rubber, etc. We get oxygen from plants. Plants and trees provide shelter to many animals and birds. Therefore, it is our duty to protect them and take proper care of them.

- Soil should be tilled before planting seeds.
- Proper gap should be maintained while planting/sowing seeds.
- Plants should be watered regularly.
- Ensure they get enough sunlight.
- Manure/fertilizers should be added for the proper growth of plants.
- Unwanted plants should be removed.
- Pesticides should be sprayed if the plants are infected by insects/pests.



Now I Know

- A plant body is divided into root system and shoot system.
- The different parts of a plant are roots, stem, leaves, flower and fruit.
- Chlorophyll helps the leaves absorb sunlight.
- Green leaves make food for the plant using air (carbon dioxide), water and minerals in the presence of sunlight. This process is known as photosynthesis.
- There are two types of seeds, monocot and dicot.
- When a seed gets enough water, sunlight and air, it grows into a new plant. This process is called germination.

Key Words

nutrients fibrous
chlorophyll carbon dioxide
photosynthesis leaf blade
midrib germinates dicot
temperature monocot
cotyledons germination



Let Us Write 1

1. Circle the correct answer.

a. This is a stem that we eat.

i. radish

ii. potato

iii. carrot

iv. spinach

b. This is an example of a plant with a weak stem.

i. watermelon

ii. papaya

iii. guava

iv. rose

- c. We eat the roots of this plant.
- i. sugarcane ii. banana iii. mint iv. turnip
- d. Fruits are formed from this.
- i. seeds ii. stem iii. flowers iv. leaves
- e. The process by which a seed grows into a plant is called this.
- i. pollination ii. reproduction iii. dispersal iv. germination

2. Write 'T' for true and 'F' for false statements.

- a. Most leaves have three parts: stalk, petal and veins.
- b. All animals including humans need oxygen to live.
- c. The long and thick central vein is called the midrib.
- d. All fruits have only one seed.
- e. Seeds have fruits inside them.

False

True

True

False

False

3. Match the following.

- a. carrot i. a flower c
- b. potato ii. root that we eat a
- c. jasmine iii. leaf that we eat d
- d. spinach iv. stem that we eat b
- e. cauliflower v. flower that we eat e

Rewrite the sentences correctly.

- a. The onion plant has a tap root. Ans a) Onion plants have fibrous roots.
- b. Spinach and cabbage are stems that we eat. Ans b) Spinach and cabbage are leaves that we eat.
- c. Fruits germinate to form new plants. Ans c) A seed germinates to form new plant.
- d. The flat part of a leaf is called the stalk. Ans d) The flat part of a leaf is called the leaf blade.
- e. Flowers are formed from fruits. Ans e) Flowers are formed from buds.

Give two examples of each of these.

- a. Plants with tap roots Carrot Radish

- | | | |
|------------------------------|--------------------|-----------------|
| b. Flowers that we eat | <u>cauliflower</u> | <u>broccoli</u> |
| c. Plants with fibrous roots | <u>Onion</u> | <u>grass</u> |
| d. Plants with soft stems | <u>mint</u> | <u>spinach</u> |

Let Us Write 2



1. Short-answer questions

- Name any two plants whose roots store food.
- Name the three things that a seed needs to germinate.
- Which gas is released when plants make food?
- Write any two uses of the stem.
- Which part of a plant has seeds inside it?
- What is chlorophyll?
- What are the two different types of roots?

2. Long-answer questions

- What is germination?
- Define photosynthesis.
- Write a short note on caring for plants.
- Differentiate between weak stems and strong stems.
- Briefly describe the different types of seeds.
- Draw a well-labelled diagram of the parts of a leaf and write the functions of the parts.

Let Us Think and Write



What is your favourite salad made up of? Do you know about the different parts of a leaf?