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Plants

Focus On



- Parts of a Plant
- How Plants Make Food?
- Life Cycle of Plants

▼ Here We Go...

Roy's friends are in his mother's kitchen garden. Identify and write the name of each plant below the picture :



There are various plants in our surroundings. Plants release **oxygen** during photosynthesis. They also provide us food. We use both of these to survive.

Now let us discover more about plants.

Fact Byte

❖ Plants are called our green friends.

Tip for Teacher

Tell the students about importance of plants in our life.

Parts of a Plant

Plants too have different body parts just like us. Their different parts are seeds, roots, stem, leaves, flowers and fruits. All body parts have their own different works.

Seeds

Seeds are found inside a fruit. Each seed further becomes a new plant.

Roots

Roots suck water and nutrients and carry them to stem which further takes them to other parts of plants. Roots grow below the ground. They hold the whole plant tightly inside the soil.

Stem

It carries food and water to all parts of the plant. Branches, flowers and fruits grow on it. Stem grows above the soil. It helps the plant to stand on its own and holds it upright.

Leaves

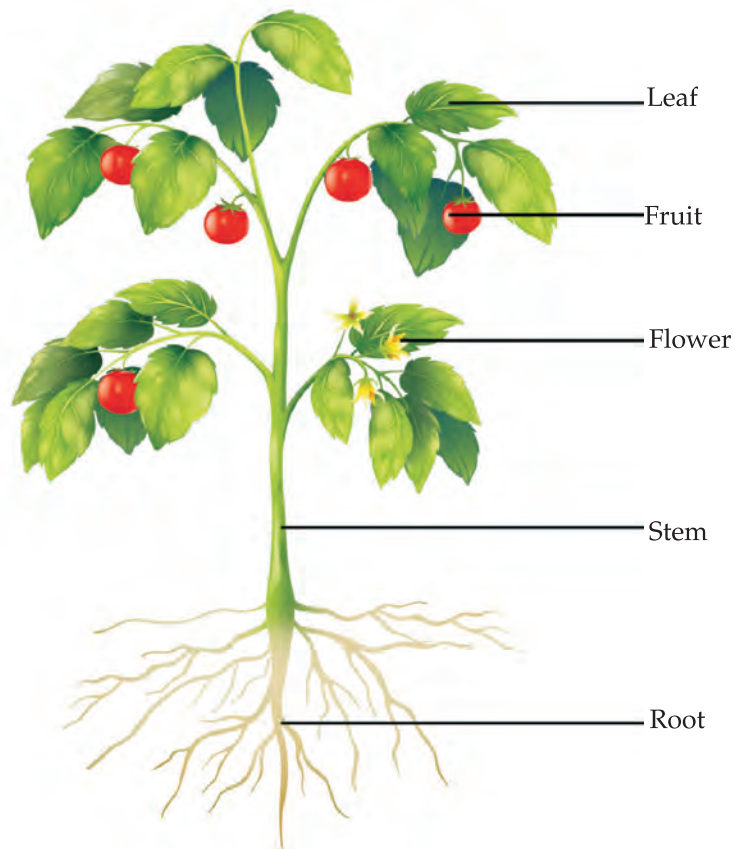
Leaves are called the **kitchen of the plant**. They make food for the plant.

Flower

The flowers are beautiful and colourful. They are attached to the stem. They become fruits.

Fruits

We eat fruits of many plants. They are fleshy and have seeds inside.



Parts of a plant

Do It Yourself



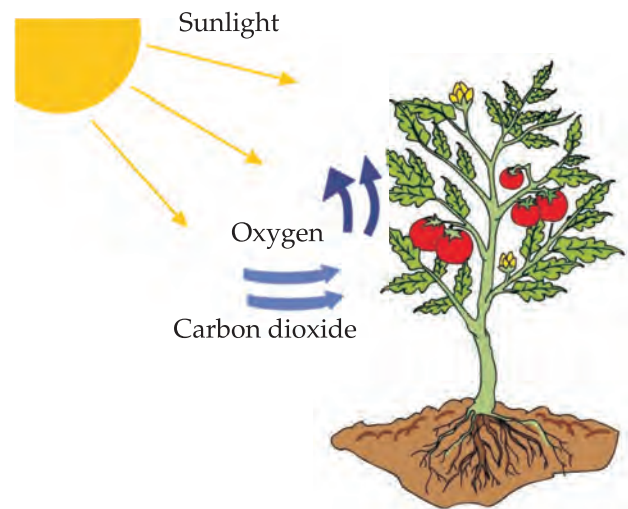
Take some orange seeds and sow them in the soil. Water them regularly. Does any baby plant appear?

How Plants Make Food?

The process of making food by the plant is called **photosynthesis**.

Leaves make food for plants. They have chlorophyll. They make food in the presence of sunlight, air, water and chlorophyll.

The stem carries food made by leaves to all the other parts of the plants. Roots, stems, leaves, flowers and seeds store unused food.



Photosynthesis

Life Cycle of Plants

Have you seen seeds of a fruit? Do you know how important seeds are? When a seed is sown in soil, it needs time to grow. After sowing, it is watered and then it starts to germinate. Roots begin to come out and upper shoot begins to grow and come out of soil. Then little leaves begin to grow. Soon it becomes a little plant and its roots begin to spread in the soil. Different plants have their own life cycle.

Fact Byte

- ❖ To help plants grow better, manure is added to the soil.



Journey from seed to plant

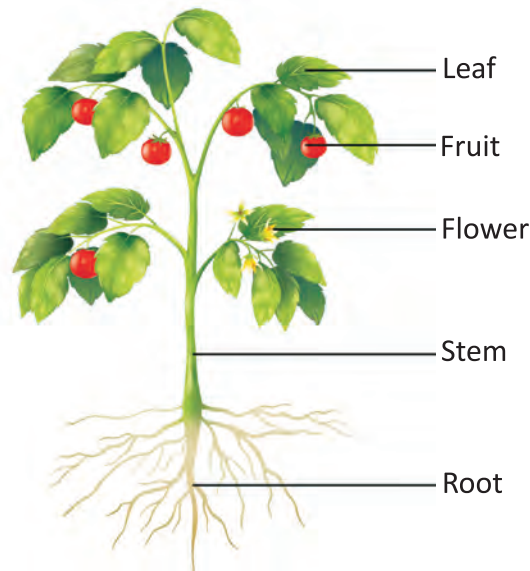
Fact Byte

- ❖ In the process of photosynthesis, plants take in carbon dioxide and give out oxygen.
- ❖ Presence of chlorophyll gives a plant its green colour.

Flash On

- * A seed grows into a plant.
- * Plants have many parts, like- seeds, roots, stem, leaves, flowers and fruits.
- * Leaves make food for plants in the process of photosynthesis.
- * In photosynthesis, plants take in carbon dioxide and give out oxygen.

Picture Review



Parts of a plant : Stem, leaf, flower, fruit and roots

Exercise

A. Tick (✓) the correct answer :

1. Seeds are found inside the :

(a) Fruit

(b) Root

2. _____ gives support to plant.

(a) Flower

(b) Stem

3. The kitchen of the plants are :

(a) The leaves

(b) The flowers

4. _____ grow underground.

(a) Roots

(b) Stem

5. _____ take nutrients from the soil.

(a) Stem

(b) Roots

B. Fill in the blanks choosing words from the help box :

chlorophyll, oxygen, fleshy, flower, food

1. The colourful part of a plant is called _____.
2. In the process of photosynthesis, plants make their _____.
3. Plants have a pigment that is called _____.
4. Plants take in carbon dioxide and give out _____.
5. We eat _____ part of plant that is called fruit.

C. Write 'T' for true and 'F' for false statements :

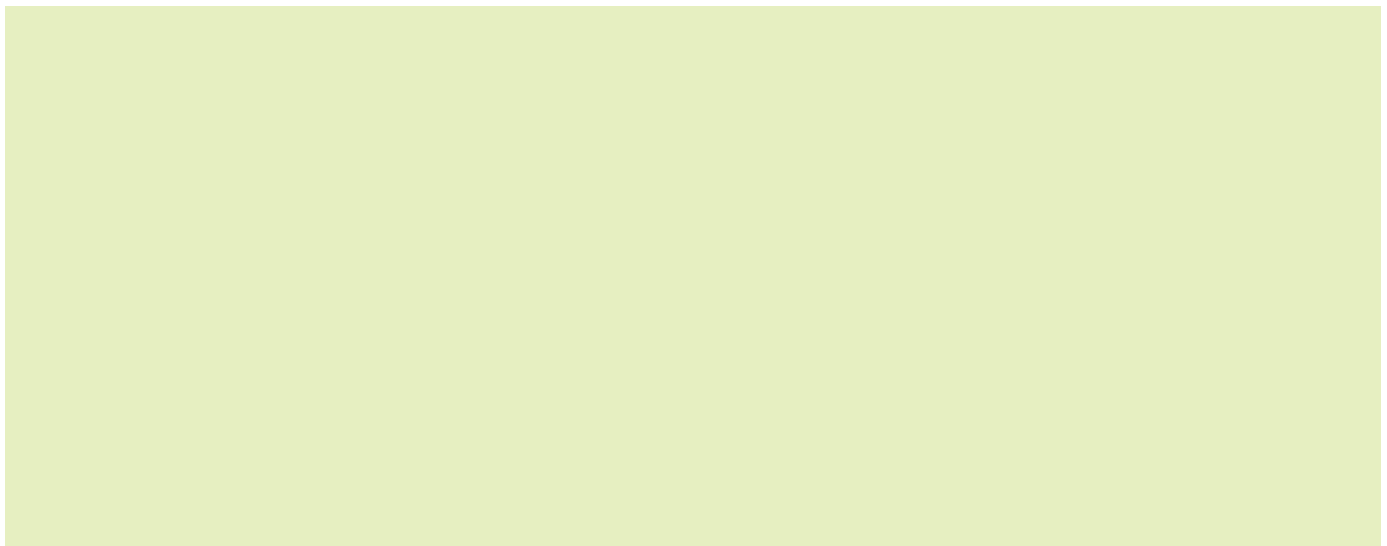
1. A plant grows from a stem.
2. Plants need sunlight for photosynthesis.
3. We eat flowers of plants.
4. Roots hold the plants in the soil tightly.
5. Plants give oxygen to us.

D. Answer the following questions :

1. How does a seed grow into a plant?
2. What things are needed for photosynthesis?
3. What do plants give us to live?
4. What is the process of food making by plants is called?
5. Which gas from air do plants take in for photosynthesis?

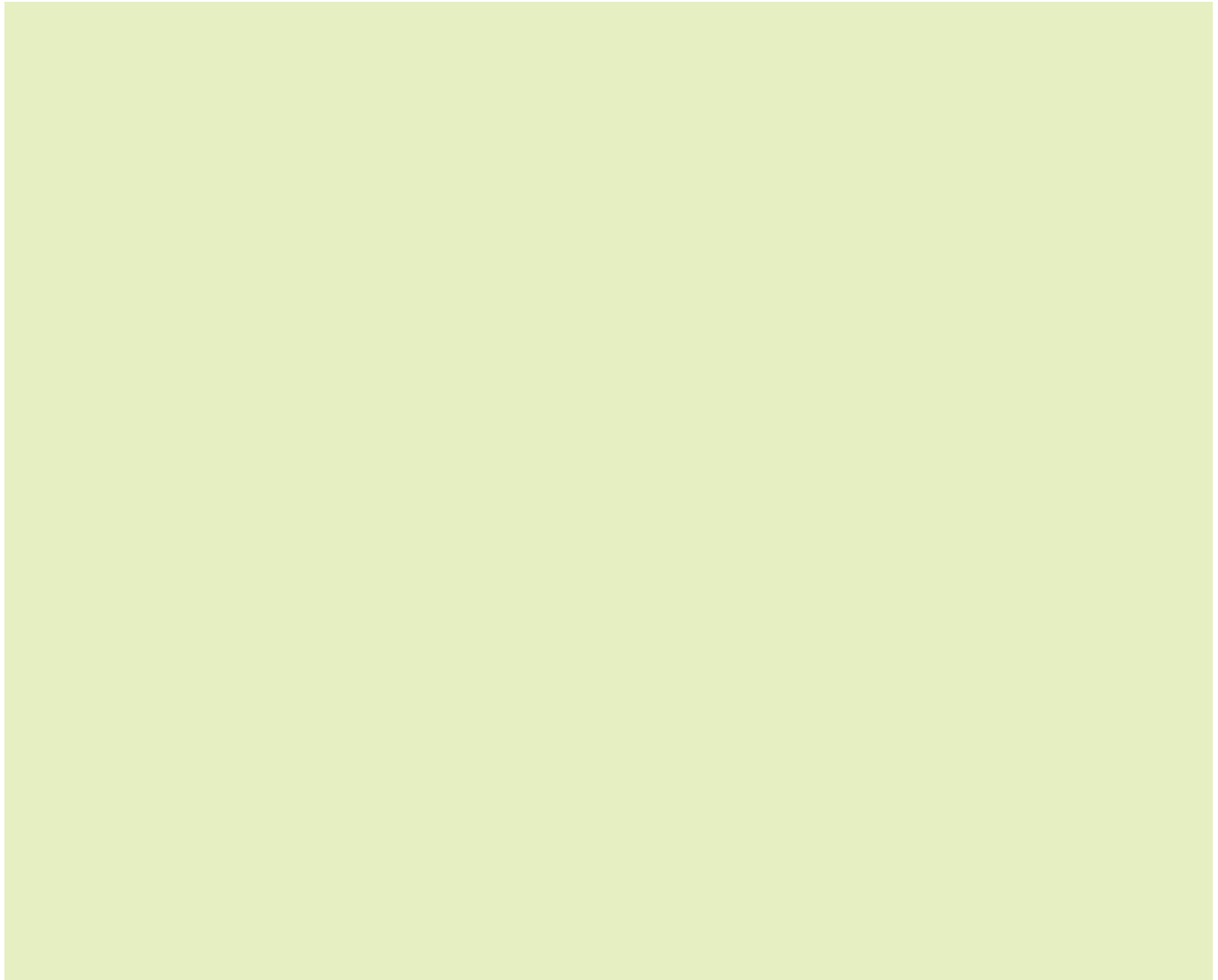
Practice Time

E. Draw a plant and label its parts :



F. Write names of the things which are necessary when leaves of a plant make food :

G. Make Poster for 'Go Green' message :



H. Match the following :

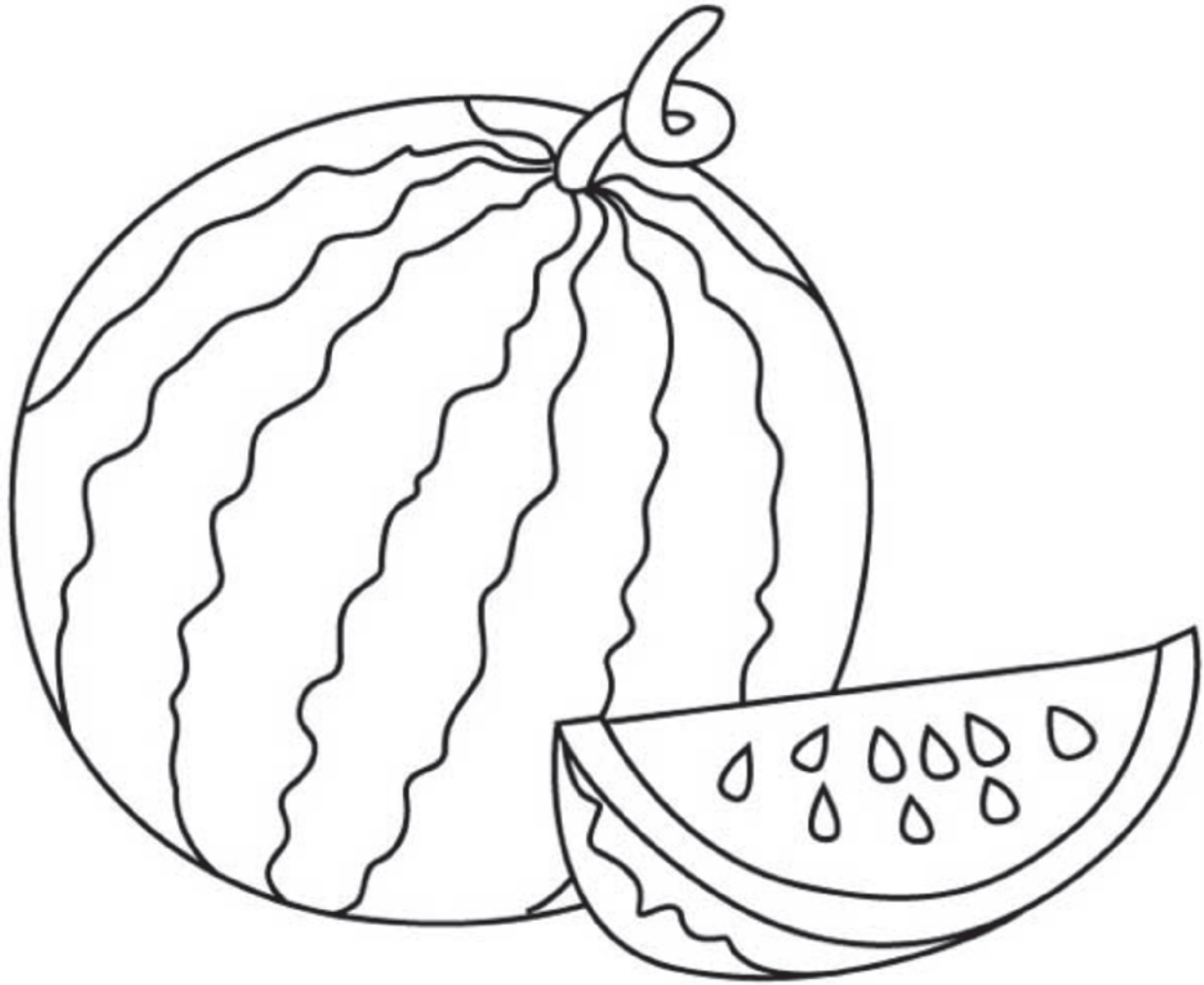
'A'

- Roots
- Flowers
- Fruits
- Stem
- Seeds
- Leaves

'B'

- contain seeds
- first step of a plant
- supports plant
- make food
- hold plant in soil
- beautiful part of plant

I. Name the fruit and colour it :



J. Write the life cycle of a plant :
