



# 3 The Germination of Plants

## About the Lesson

- The growth of plants
- The form of the seed

Children, have you ever seen a plant germinating? No! Come, let's find out how do plants germinate.

Have you ever seen a chopped tomato or papaya? You see small grains inside them. These small grains are their **seeds**. Most of the fruits have seeds inside them. Some fruits have only one seed inside them, such as mango, grape, peach, plum, etc. Some fruits have many seeds such as watermelon, papaya, ladyfinger, peas, etc.



Tomato

Papaya

### Strange But True

\* The seeds inside the fruits are kept safe for long time.



Mango



Grapes



Plum



Blackberry



Watermelon



Papaya



Lady's finger



Peas

All the seeds have different colours and shapes. Most of the plants are born from seeds only.



Wheat



Corn



Rice



Gram



A small plant is hidden inside the seed. To grow into a plant, the seed requires four things – soil, water, air and sunlight. The seed is sown into the soil. After some time, a small plant grows out of the seed.



The germination of a plant



### Remember

\* Big and strong trees like neem, peepal and banyan grow from seeds only.

Slowly, this small plant grows into a big tree. The small plant collects its food from the seed only. After growing big, it starts to take food from the soil.



### Looking Back.....

- ❖ The seeds are inside the fruits.
- ❖ All the seeds are of different colours and shapes.
- ❖ A small plant is hidden inside the seed.
- ❖ To grow into a plant, the seed needs soil, water, air and sunlight.
- ❖ The small plant takes its food from the seed.



### Exercise

A. Tick (✓) on the correct option : (MCQs)

1. What is inside the fruits ?

(a) Seed  (b) Flower  (c) Leaf

2. What is the colour of all the seeds ?

(a) Same  (b) Different  (c) Red

3. Where is the seed sown ?

(a) In water  (b) In the soil  (c) In the pot

4. From where does the small plant get its food ?

(a) Man

(b) Fruit

(c) Seed

**B. Answer in one or two words :**

1. Where is the seed found ?

2. From whom is the plant born ?

3. Where is the seed sown ?

4. From where does the small plant get its food ?

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**C. Fill in the blanks with the proper words :**

1. The small grains seen inside a tomato are \_\_\_\_\_.

2. There are many seeds in a \_\_\_\_\_.

3. A small \_\_\_\_\_ is hidden in a \_\_\_\_\_.

4. Slowly the little plant grows into a \_\_\_\_\_.

pomegranate  
seeds  
tree  
seed  
plant

**D. Tick (✓) the correct sentence :**

1. All the fruits have one seed only.

2. A small plant is hidden inside the seed.

3. The plant takes its food from the soil after growth.

4. The seeds are not sown in the soil.


  
  
  

## Creative Task

**Do the following :**

1. Collect any five seeds used at your home and paste them into your scrapbook.
2. Take a pot and fill it with soil. Sow 3-4 seeds of beans into it and water it every day. Observe it for 10 days and see how the plant germinates.

**Investigation :**

-  For more information about the growth of a plant, log on to :  
[www.plantsgrow.com](http://www.plantsgrow.com)