

Bhavan Vidyalaya, Chandigarh
Science

The Plant Shoot System

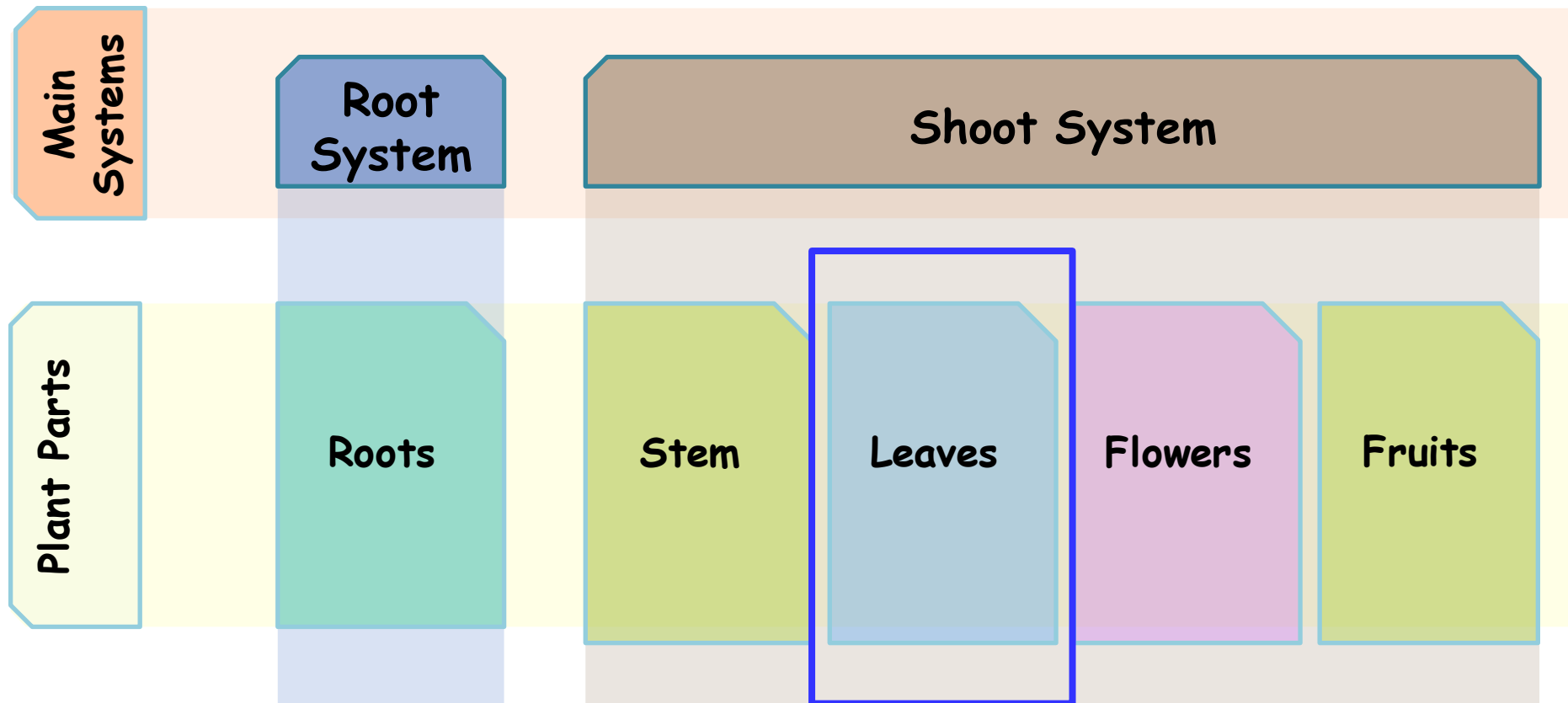
- The Leaf and its functions

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What will we learn ?

Parts of Plants



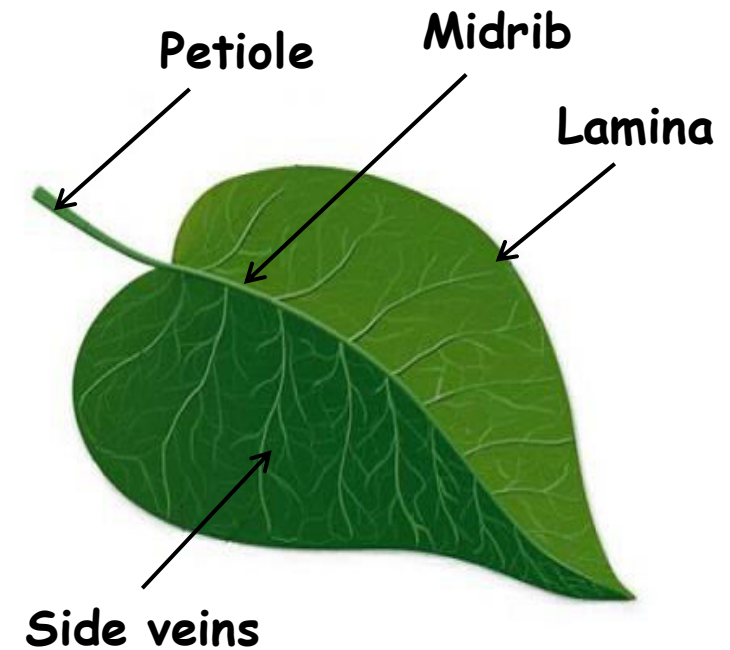
Parts of a Plant

The Leaf

- ◆ It is the most important part of plant.
- ◆ These are green in colour as they contain **chlorophyll**.
- ◆ These are usually flat, broad and thin and vary in shapes and sizes.

Parts of a Leaf

- ◆ **Lamina or Leaf blade** - It is the flat and broad part of a leaf.
- ◆ **Midrib or Main Vein** - It is the main vein running at the centre of a leaf from one end to the other.
- ◆ **Side Veins** - These are seen as lines emerging from either sides of midrib and going towards the edges of the leaf.
- ◆ **Petiole or Leaf Stalk** - It is that part which connects the leaf to the branch.



Parts of a Plant

Functions of Leaves

Functions of Leaves

- ♦ Green leaves prepare food for the plants using air, water and sunlight by a process called **photosynthesis**.
- ♦ Leaves have a green coloured substance called **chlorophyll** which helps to absorb sunlight.
- ♦ There are tiny openings on the underside of the leaves called **stomata**. These help plants to breathe.
- ♦ Some plants such as **fenugreek, mint, coriander and spinach** store food in their leaves and are eaten as food.



Fenugreek



Mint



Coriander



Spinach



<https://www.youtube.com/watch?v=VHiVmfczZQc&t=57s>