

Class VI Subject: Biology
Chapter-1 The Leaf
Teacher: Nimrita

Page-1

Good Morning Children! This lesson is of Class-VI, Subject-Biology, Chapter-1, 'The Leaf' of your textbook 'Concise Biology', Selina Publication. It is being submitted to you on 8 April, 2024.

Today, we will study about the root and the shoot system.

A. The Root System:-

The underground part of plant is called as root. It has one main thick primary root with many side branches. The side branches bear fine hair like projections called as root hairs.

Types of Root System.

i) Tap Root System:-

It has thick main root called as primary root and bear many side branches called as secondary roots!

eg: gram, Pea

ii) Fibrous Root System:-

It has cluster of roots of same thickness arising from the base of

Class-VI Subject: Biology
Chapter-2 The Leaf
Teacher: Nimrita

the stem.

Eg: Maize, grass.

B The Shoot System:

The part of the plant which grows above the soil forms the shoot system.

It consist of

- i) Stem
- ii) Buds
- (iii) Leaves
- (iv) Flowers
- (v) Fruits.

The Stem:

Stem is the aerial part of shoot system. The point on the stem from where the leaves arise is called as node.

The tip of the shoot has buds called as apical buds.

Functions of stem:

- Stem bears all the aerial parts of plant.
- Stem also manufactures food when green and young.

Class - VI
Chapter - 1
Teacher: Nimrita

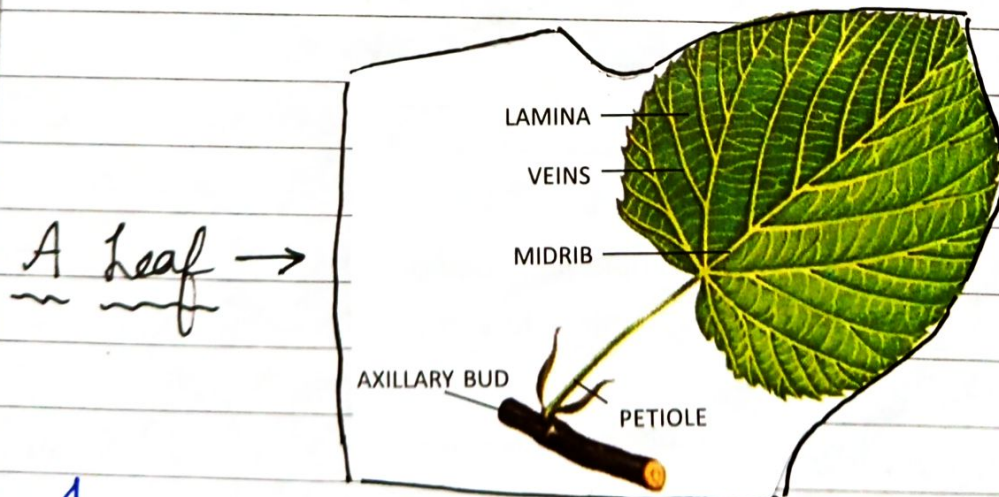
Subject: Biology
The Leaf

The Leaf

The flat green part of the shoot that grow from the nodes of the stem are called as 'leaves'.

Structure of leaf:-

- Petiole: The stalk of the leaf is called as petiole.
- Leaf blade: The green part of the leaf, which is broad and flat, is known as leaf blade or lamina.
- Midrib: Petiole continues into the lamina as the 'midrib'. Midrib gives out fine branches called as 'veins'. Veins provide a supportive framework to leaves.



I am ending today's topic.
Thank you!