

Class-VI

Chapter -1

Teacher: Nimrita

Subject: Biology  
The leaf

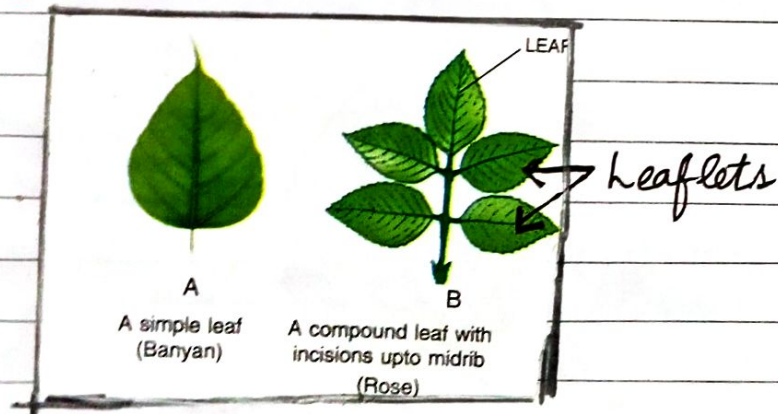
Good Morning Students!

This Asson is of Class-VI for the subject of Biology, Chapter-1, The leaf. of your text book Concise Biology, Selina Publications. It is being submitted to you on, 4 April, 2024.

In the last class, we studied about structure of leaf. Today, we will study about types of leaves, arrangement of leaves, venation and function of leaves, insectivorous plants and vegetative propagation.

### # Types of Leaves:

- **Simple leaf:** Lamina is undivided and is a single piece.
- **Compound leaf:** Lamina is divided into leaflets.



- **Arrangement of leaves:** The arrangement of leaves on a stem is called as phyllotaxy. eg: Alternate, opposite, whorl.

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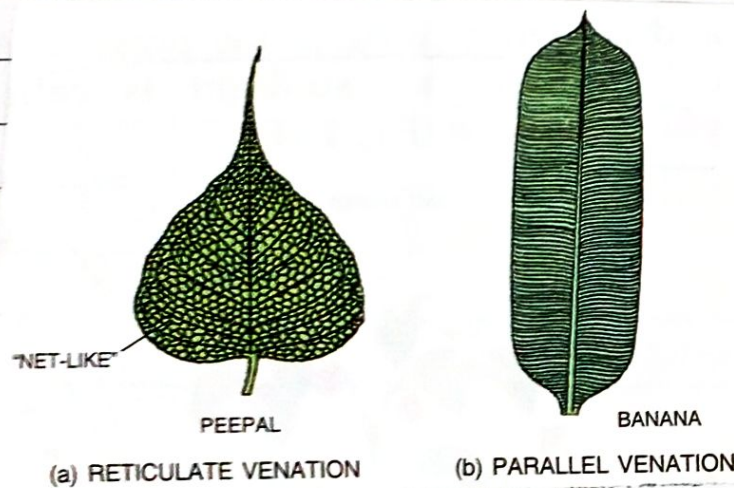
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### • Venation of Leaves:

Arrangement of veins in a lamina is called as venation.

• **Reticulate venation:** Veins form an irregular network.

• **Parallel venation:** Veins run parallel to each other.



• **Functions of leaf** → Photosynthesis  
→ Transpiration

[• Loss of water from the surface of leaves]

• **Modifications of leaf:-**

• **leaf tendril:-** leaf / leaves are modified into a tendril. eg. Sweet pea

• **Spines:** leaves are modified into spines

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to reduce water loss. eg: Cactus.

- Scale leaves: Scale leaves store food and protect the buds. eg: Onion.

- Insectivorous plants:-

These plants trap insects to meet their nitrogen demand. eg: Pitcher plant.

- Vegetative propagation:

New plants are produced from vegetative parts of the plant.  
eg: Bryophyllum.

I am ending today's topic. Kindly read page-4-8 from your book.

Last page.