



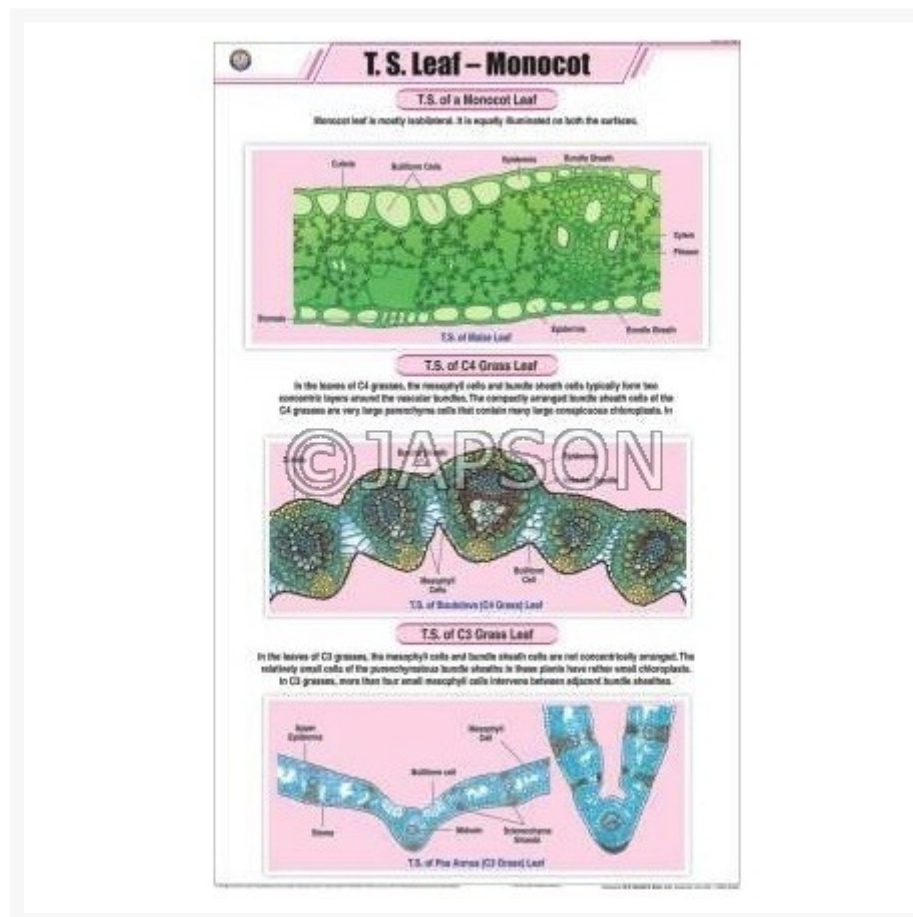
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Leaf Charts, Botany, School Education

Product Image



Description

Standard Size: 58x90cms

Language: English

Laminated Paper Charts with Plastic Rollers. These Charts have technically accurate and

detailed description in vivid colours.

Note: Based on minimum order quantity conditions, Charts can be customized to your requirements in terms of CONTENT, LANGUAGE, SIZE, etc. Please write back to us for discussion.

A. Charts, Types Of Leaves



B. Charts, Leaf Modifications



C. Charts, T.S. Leaf-Monocot

D. Charts, T.S. Leaf-Dicot

T. S. Leaf – Monocot

T.S. of a Monocot Leaf

Monocot leaf is mostly isobilateral. It is equally illuminated on both the surfaces.

This diagram shows a cross-section of a monocot leaf. The upper and lower surfaces are both covered by a single layer of epidermis. Below the upper epidermis is a thick bundle sheath. The mesophyll consists of large, oval-shaped palisade cells and smaller, more rounded spongy cells. Vascular bundles are scattered throughout the leaf, each containing a central bundle sheath, bundle sheath cells, and a large central vascular cylinder. The lower surface features a prominent midrib and a network of veins.

T.S. of Maize Leaf

In the leaves of C4 grasses, the mesophyll cells and bundle sheath cells typically form two concentric layers around the vascular bundles. The compactly arranged bundle sheath cells of the C4 grasses are very large parenchyma cells that contain many large conspicuous chloroplasts. In

This diagram illustrates the cross-section of a C4 grass leaf. It shows a central vascular bundle surrounded by two distinct layers of cells: an inner layer of large, thick-walled bundle sheath cells and an outer layer of smaller mesophyll cells. The bundle sheath cells are arranged in a ring-like pattern, and the mesophyll cells are arranged in a more compact, concentric layer around the bundle sheath.

T.S. of C4 Grass Leaf

In the leaves of C3 grasses, the mesophyll cells and bundle sheath cells are not concentrically arranged. The relatively small cells of the parenchymatous bundle sheaths in Poaceae plants have rather small chloroplasts. In C3 grasses, more than four small mesophyll cells intervene between adjacent bundle sheaths.

This diagram shows the cross-section of a C3 grass leaf. It depicts a vascular bundle with a central bundle sheath surrounded by mesophyll cells. The bundle sheath cells are arranged in a ring, and the mesophyll cells are arranged in a more compact, concentric layer around the bundle sheath. The diagram also shows the presence of large, oval-shaped bundle sheath cells and smaller mesophyll cells.

T.S. of C3 Grass Leaf

In the leaves of C3 grasses, the mesophyll cells and bundle sheath cells are not concentrically arranged. The relatively small cells of the parenchymatous bundle sheaths in Poaceae plants have rather small chloroplasts. In C3 grasses, more than four small mesophyll cells intervene between adjacent bundle sheaths.

This diagram illustrates the cross-section of a Poa grass leaf, which is a C3 grass. It shows a vascular bundle with a central bundle sheath surrounded by mesophyll cells. The bundle sheath cells are arranged in a ring, and the mesophyll cells are arranged in a more compact, concentric layer around the bundle sheath. The diagram also shows the presence of large, oval-shaped bundle sheath cells and smaller mesophyll cells.

T.S. of Poa Grass (C3 Grass) Leaf

T. S. Leaf – Dicot

T.S. of Dicot Leaf (Mango)

Dicot leaf is dorsiventral. A dorsiventral leaf is more strongly illuminated on the upper surface than the lower surface. In the internal structure, there is a good deal of difference between the two sides.

T.S. of Hydrophytic Dicot Plant Leaf

Water lily, a magnifolia, floats on the surface of water and has stomata in the upper epidermis only. Vascular tissue is much reduced, especially the xylem. The palisade parenchyma consists of several layers of cells above the spongy parenchyma. The large intercellular spaces add buoyancy to this floating leaf.

T.S. of Xerophytic Dicot Plant Leaf

Neurium okanador, a xerophyte, have very thick cuticle, covering the multiple epidermis on the upper and lower surfaces of the leaf. The stomata and trichomes are restricted to invaginated portions of the lower epidermis, called stomatal crypts.

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