

LEAVES - 205-229

Phyllotaxis	Two Types of Leaves		<p>A leaf is the plant organ specialized for _____ . A leaf is typically flat and thin because that shape exposes the maximum number of cells containing _____ to sunlight while allowing the most light to penetrate into the tissues. Leaves are where _____ takes place and are important for their roll in moving water. Leaves can store ____ and ____ , or be modified for other purposes such as _____ reproduction.</p>	
	Simple	Compound		
Leaf Margin	2 Kinds of Compound Leaves			
The shape of the leaf edge is important in classifying species. Smooth edges are termed entire while others can be lobed or dentate.	Pinnate	Palmate		
Dealing with Environmental Conditions			Trichomes	
Xerophyte	Hydrophytes	Mesophyte		
		Live in biomes with moderate rainfall. Have some features to help conserve some water such as cuticles, stomata with controllable diameters and a greater number of stomata on the undersides of leaves. In extreme heat they wilt and eventually die.		
Cuticle	Epidermis	Palisade Layer	Spongy Layer	Guard Cells
Petiole	Vein	Stomata	Tendrils	Deciduous
		Holes in the leaf epidermis that allow CO ₂ , H ₂ O and O ₂ to enter and exit the leaf		