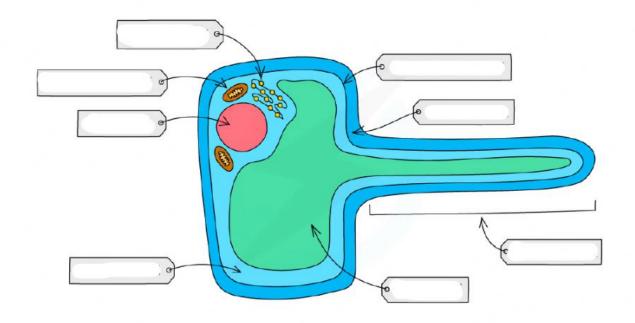
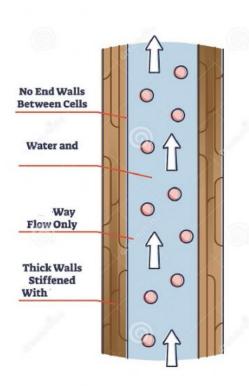
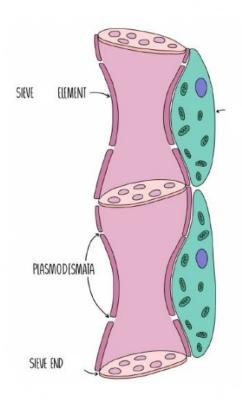
Ribosomes Nucleus Vacuole Mitochondria Cytoplasm Root hair Cell wall Cell membrane



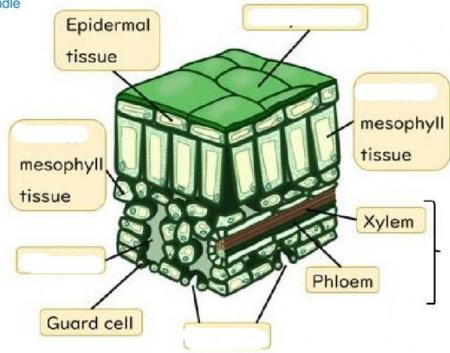


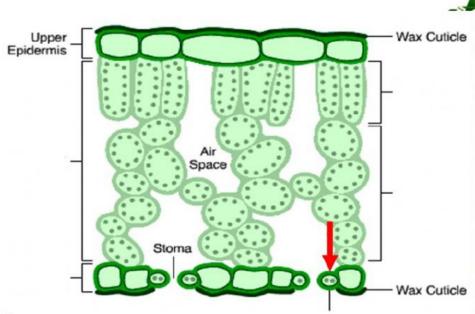


Tube Lignin Minerals Companion cell Plate One

#LIVEWORKSHEETS

Stomata Waxy cuticle Air space Vascular bundle Palisade Spongy





Guard cell Palisade Mesophyll Lower Epidermis Mesophyll Spongy Mesophyll

BLIVEWORKSHEETS

True/ False Questions

The xylem transports water and amino acids
Root hair cells are single-celled
Chloroplasts exist in all types of plant cells, including root hair cells
The xylem is composed of dead cells
The phloem has lignin
Companion cells open and close the stomata
The xylem is a continuous hollow tube
Oalla in the house and to leave an annual land
Cells in the have no cytoplasm or organelles
Root hair cells are extensions of the mesophyll



Mineral ions enter the root hair cells by active transport ACD is the energy produced by mitochondria Root hair cells have large vacuoles to facilitate rapid osmosis Xylem and phloem in groups are called vascular bundles The phloem transports sugars in only one direct Sieve plates in the phloem prevent the flow of sugars and amino acids The mesophyll consists of three layers Leaves are necessary for photosynthesis and respiration Stomata are the pores in leaves and guard cells are what open and close them The upper epidermis contains most of the stomata Photosynthesis mostly occurs in the palisade mesophyll

