

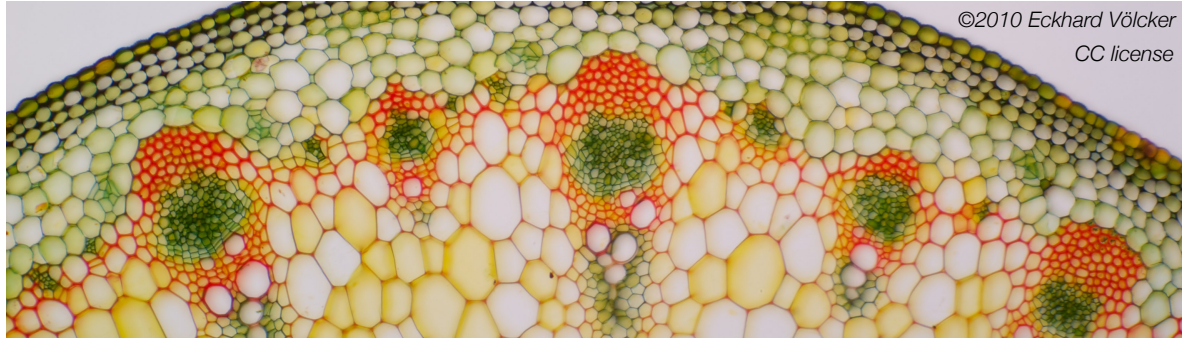
Plant Anatomy

Write the name of the structure or tissue that best matches the description.

Word Bank

- air space
- apical meristem
- cambium
- chloroplast
- cuticle
- dermal tissue
- epidermis
- ground tissue
- guard cells
- lateral meristem
- lower epidermis
- palisade layer
- periderm tissue
- phloem
- spongy mesophyll
- stomate
- upper epidermis
- vascular bundle
- vascular tissue
- xylem

Answer	Description
	undifferentiated cells at the tips of plant roots and shoots
	a layer of tall, closely packed cells containing chloroplasts, just below the upper surface of a leaf
	a pair of special cells in the epidermis that control the opening and closing of a stomate
	vascular tissue that transports dissolved food materials and hormones throughout the plant
	a layer of wax on the upper and lower portion of a leaf that blocks diffusion of water and gases
	an opening in the surface of a leaf that allows the exchange of gases
	tissue on the surface of a plant that produces bark on stems and roots
	vascular tissue that transports water and minerals from roots to leaves and stems



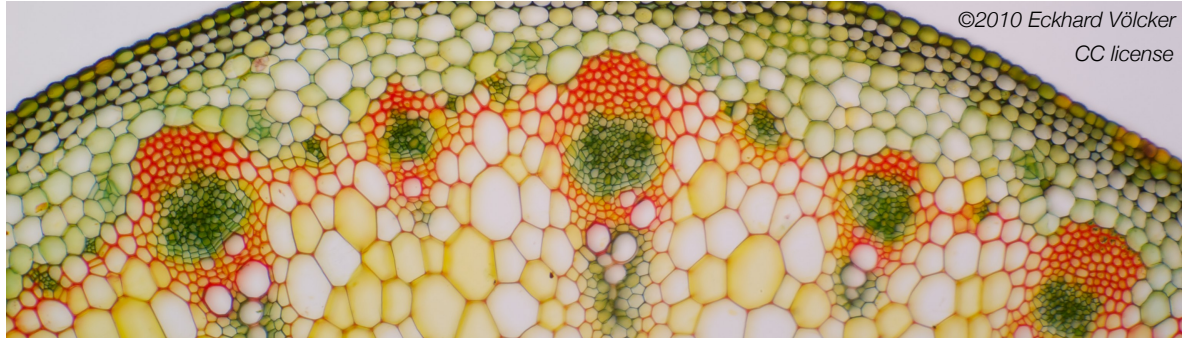
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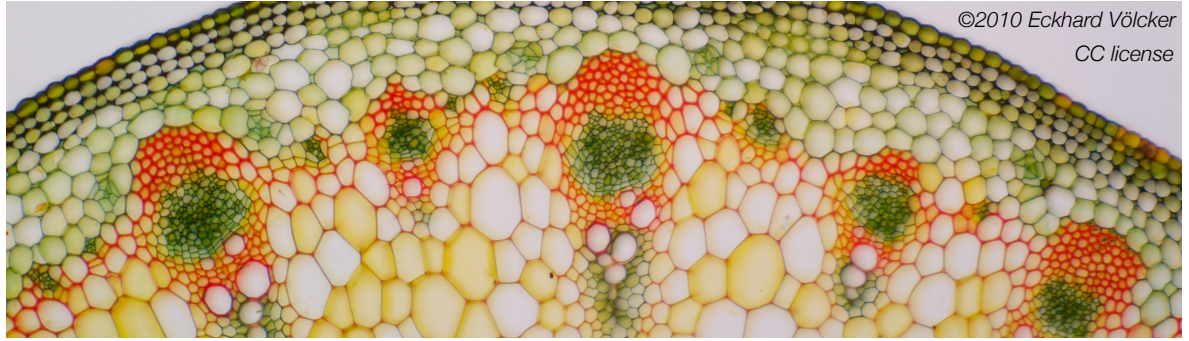
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<i>cuticle</i>	a layer of wax on the upper and lower portion of a leaf that blocks diffusion of water and gases
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