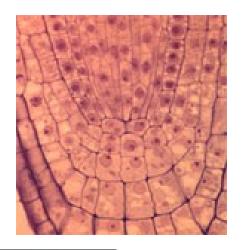
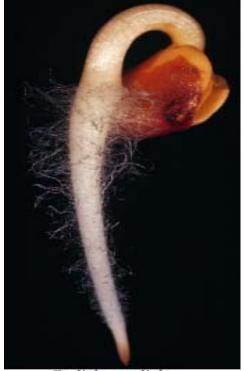


http://www.inea.uva.es/servicios/histologia/inicio_real.htm

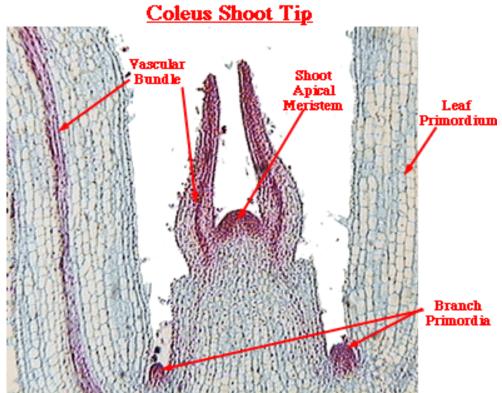
MERISTEMOS APICALES







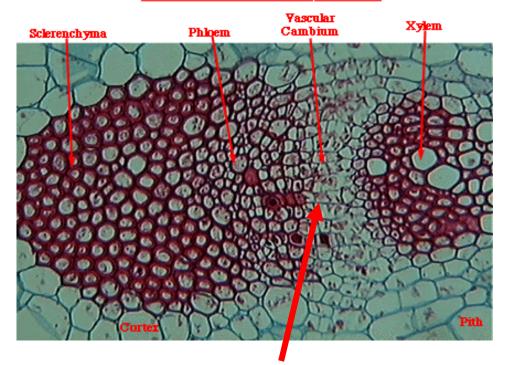




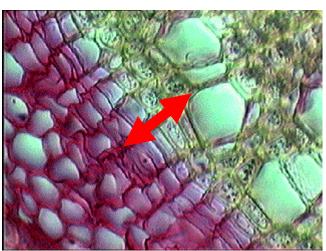
MERISTEMOS SECUNDARIOS O LATERALES

CAMBIUM VASCULAR

Dicot Stem Vascular Bundle



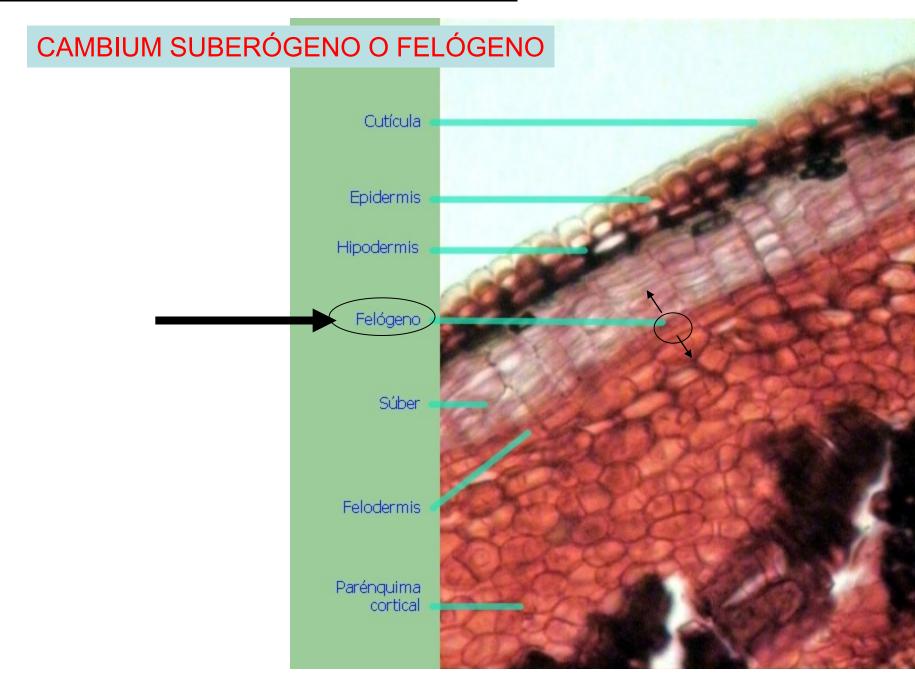




Crec. secundario Floema-Cambium-Xilema

Cambium vascular

MERISTEMOS SECUNDARIOS O LATERALES

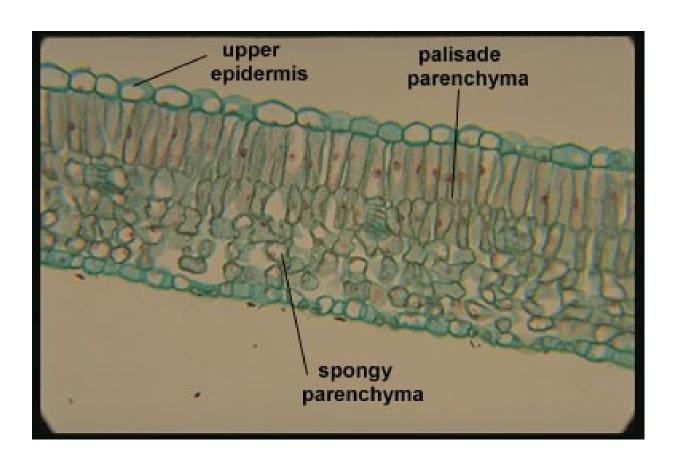


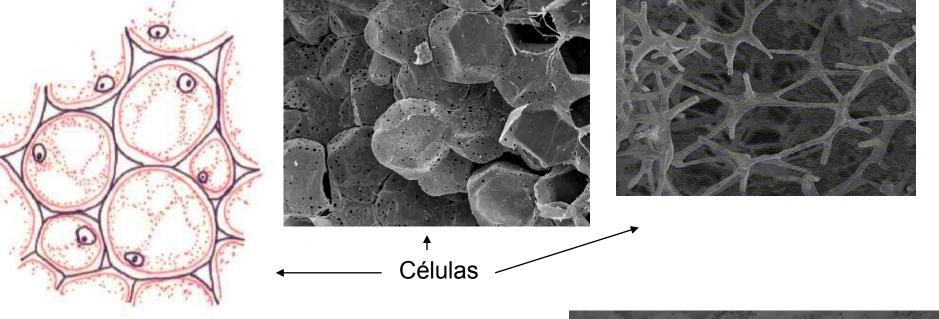
Parénquima

Vasos Parenquima

Epidermis con estomas

Parénquima en empalizada y esponjoso

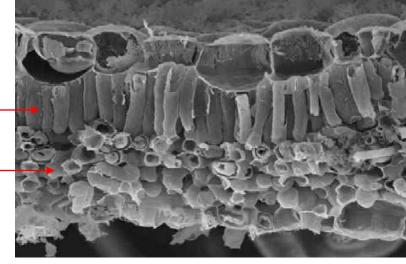


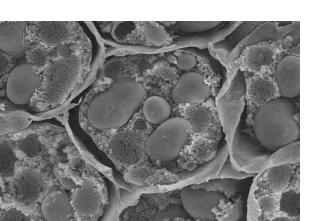


Parenquima

En empalizada

Esponjoso (fotos.)

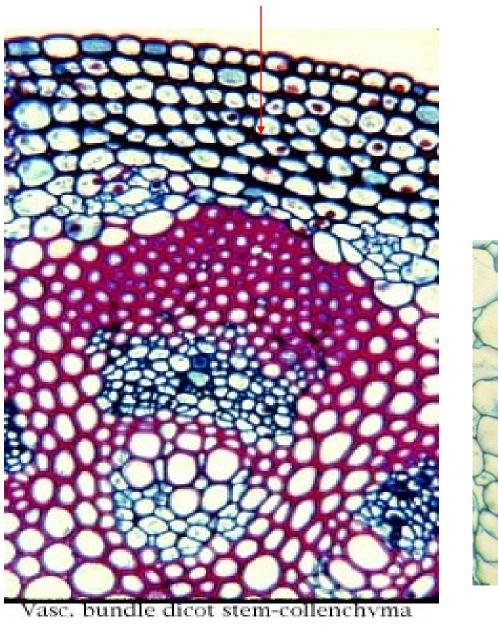




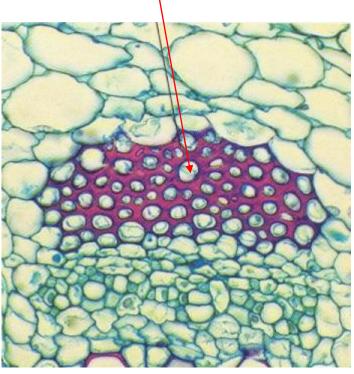
Parénquima de reserva (con granos de almidón)

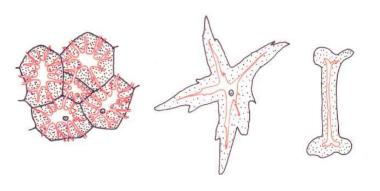
COLENQUIMA Collenchyma **Parenchyma**

Colénquima



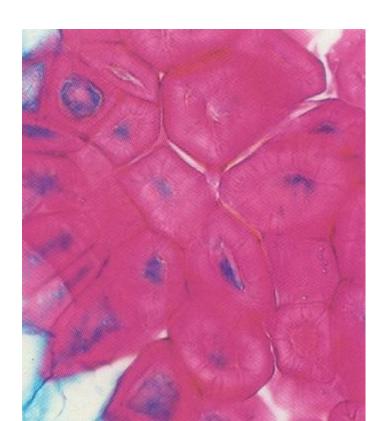
Esclerénquima

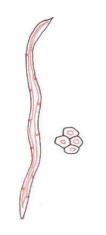




Células (esclereidas)

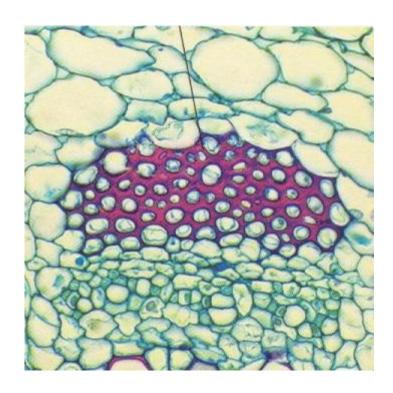
Esclereidas

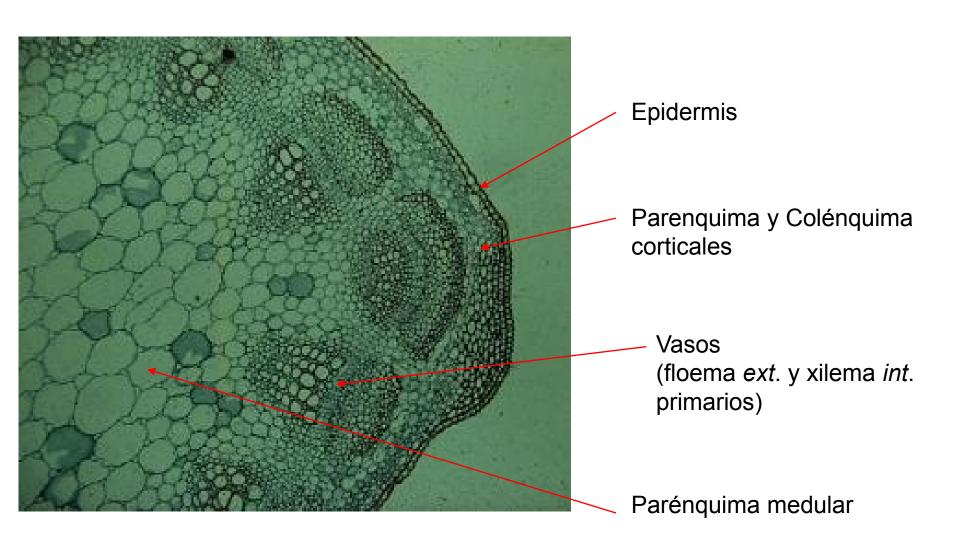




ESCLERÉNQUIMA

Fibras





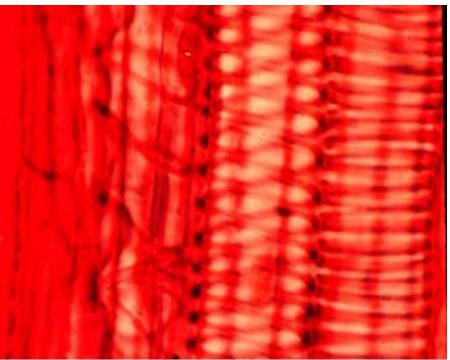
Helianthus sin crecimiento secundario (o muy poco)

Xylem-fibers & vessels l.s.

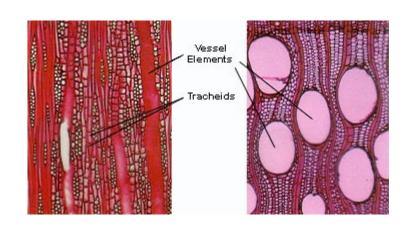


Traqueidas (Pinus)

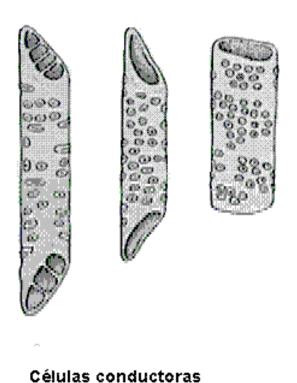
Xilema



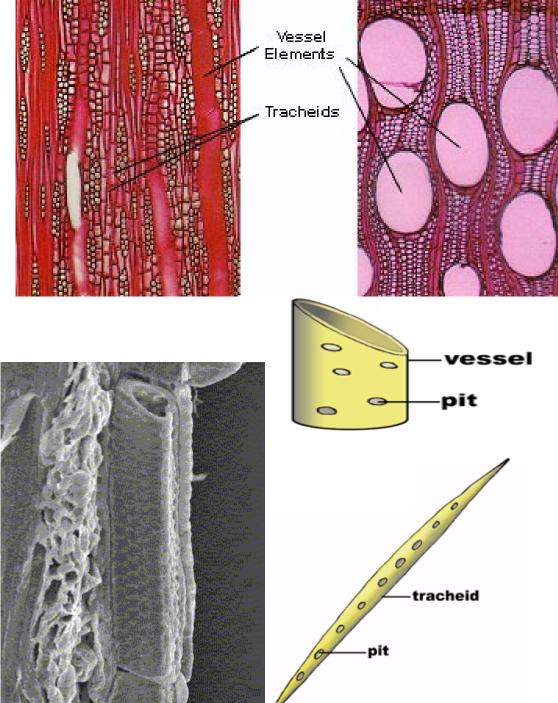
Xylem vessels-l.s.



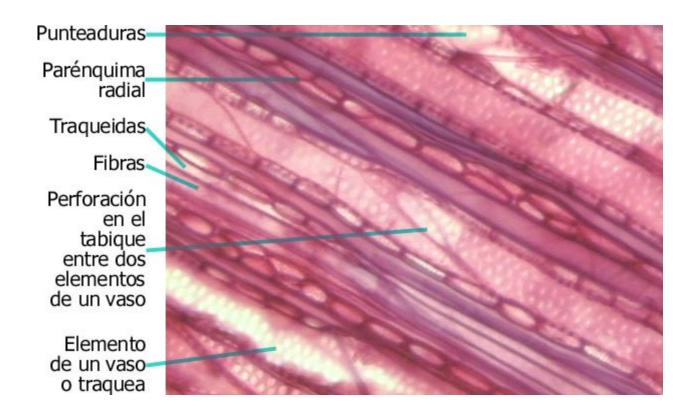
Xilema: traqueidas y vasos (tráqueas)



del sistema vascular



XILEMA



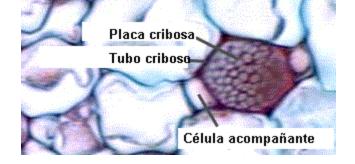
Corte longitudinal del xilema de un tallo de chopo. (*Populus x boleana*) (400x



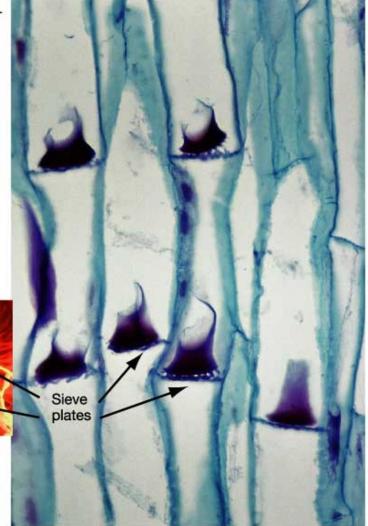
Phloem in l.s. -callose plugs/sieve plates

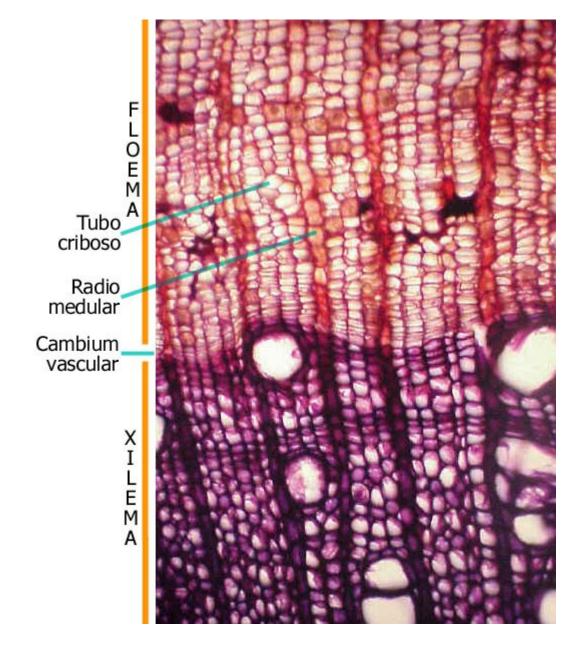
Floema

CROSS-SECTION



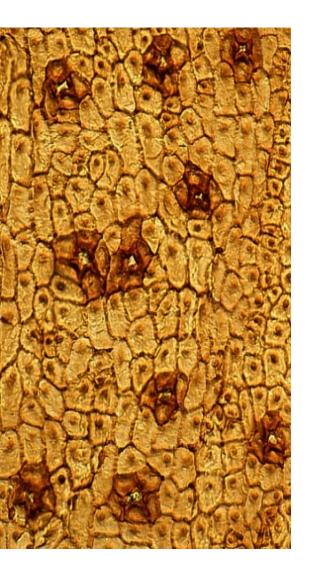
LONGITUDINAL SECTION

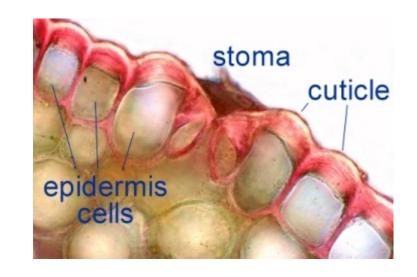


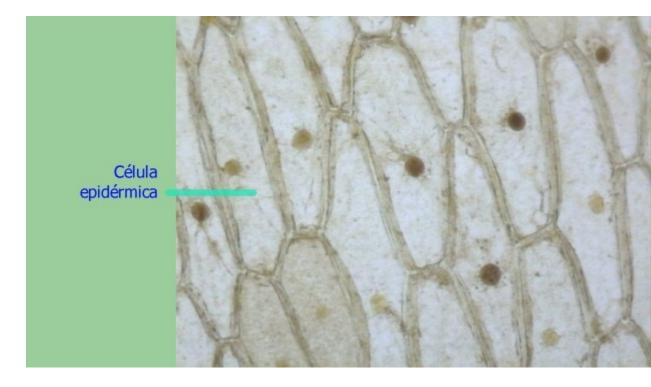


Cambium vascular con xilema y floema en un corte transversal de nogal (*Juglans regia*) (400x).

EPIDERMIS





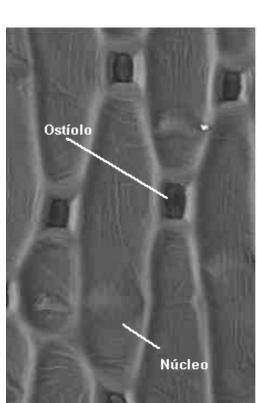


EPIDERMIS

Estomas: células oclusivas y ostiolos



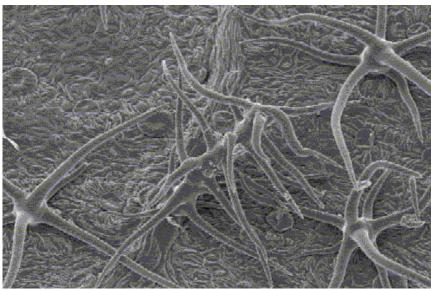




EPIDERMIS: tricomas



Glandulares simples



estrellados



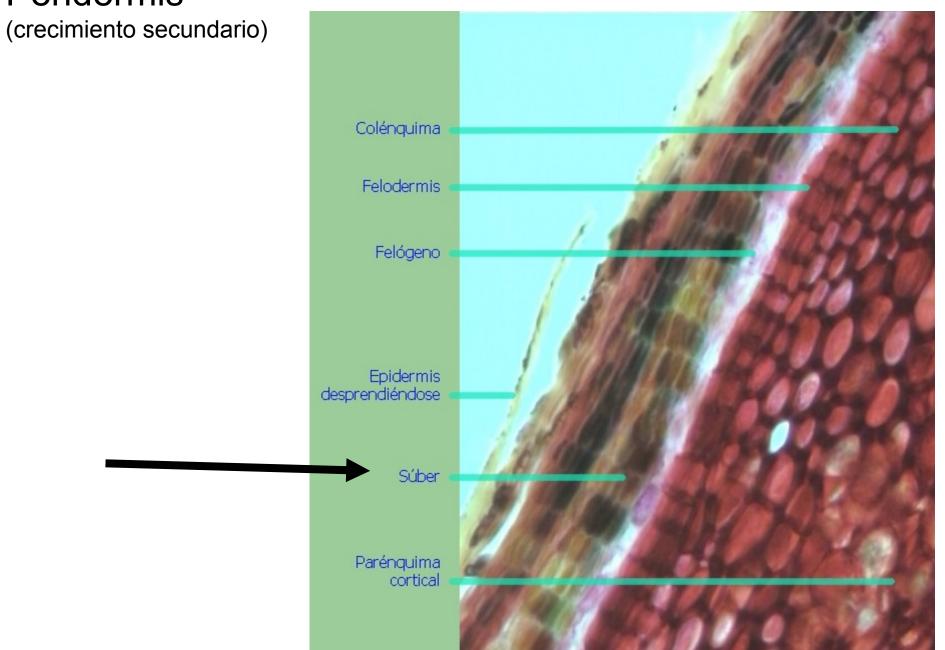
Peltados o escamas

Tricomas

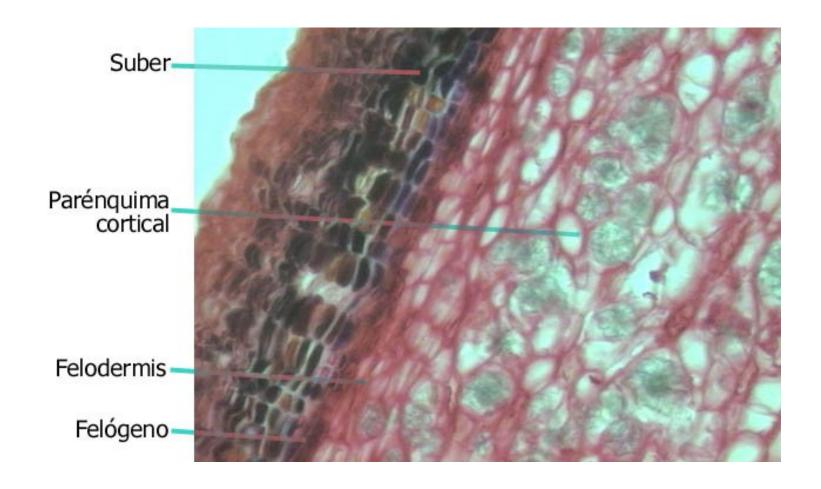




Peridermis



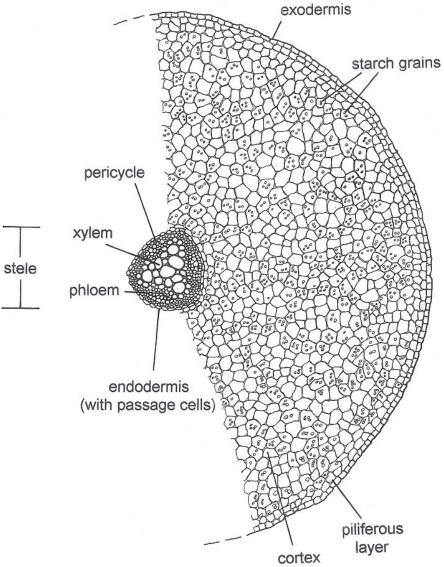
peridermis

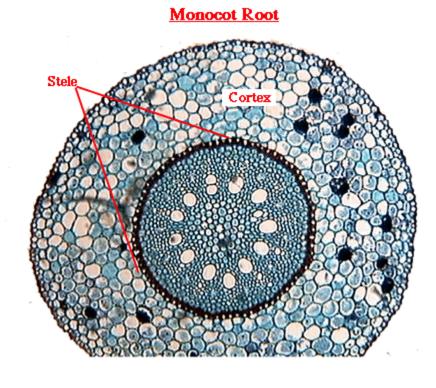


Corte transversal de un tallo de nogal (Juglans regia) (200x) mostrando la **peridermis** formada a partir del felógeno.

T.S. of Dicotyledon Root

Corte de Raíz

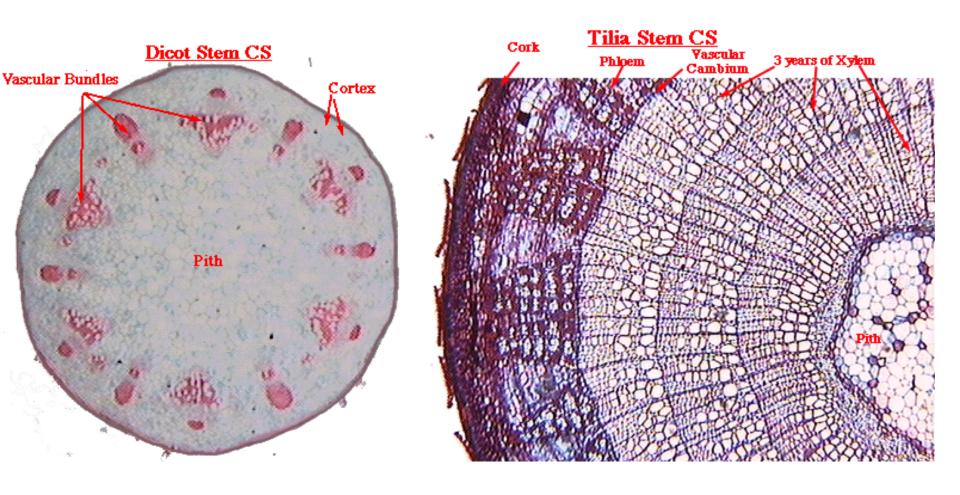




Monocotiledónea

Dicotiledónea

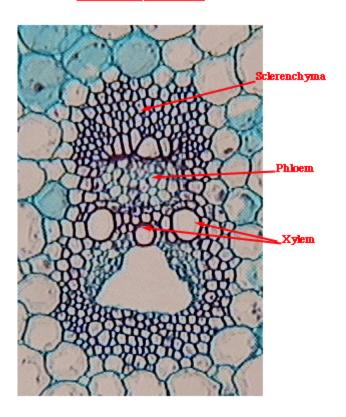
CORTE DE TALLO



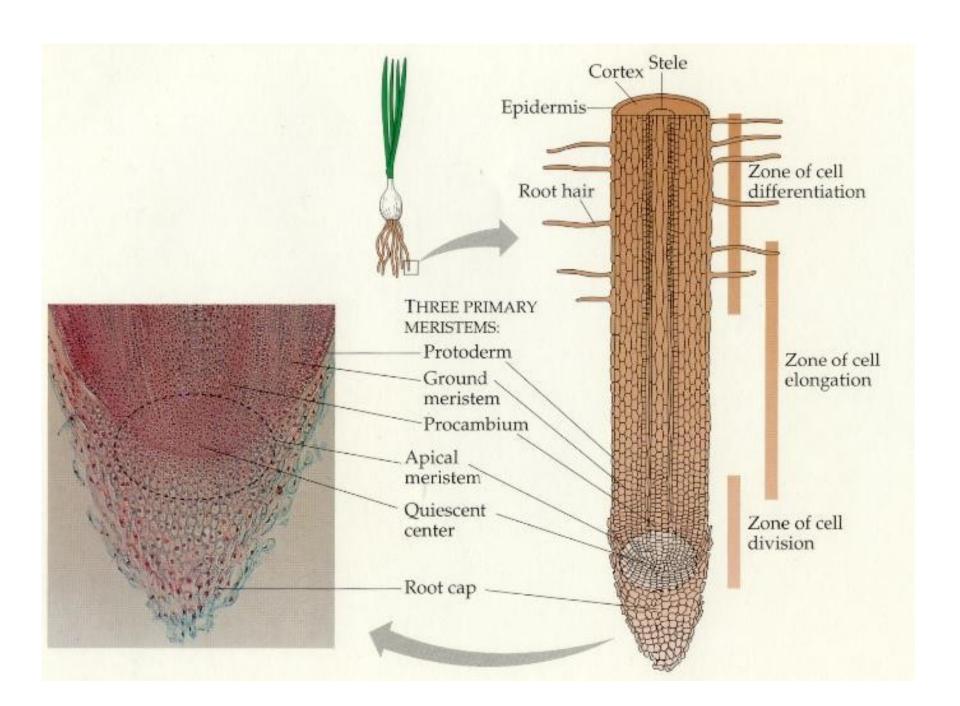
Dicotiledonea (Helianthus y Tilia)

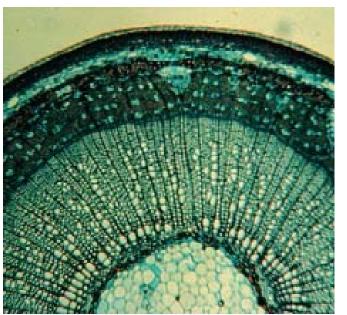
Vascular bundles

Monocot Stem Vascular Bundle

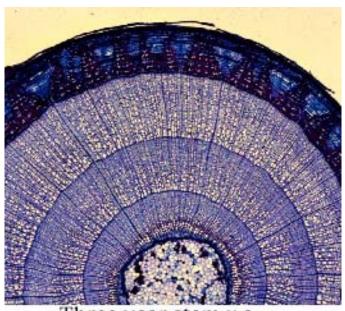


Monocotiledónea (Zea)



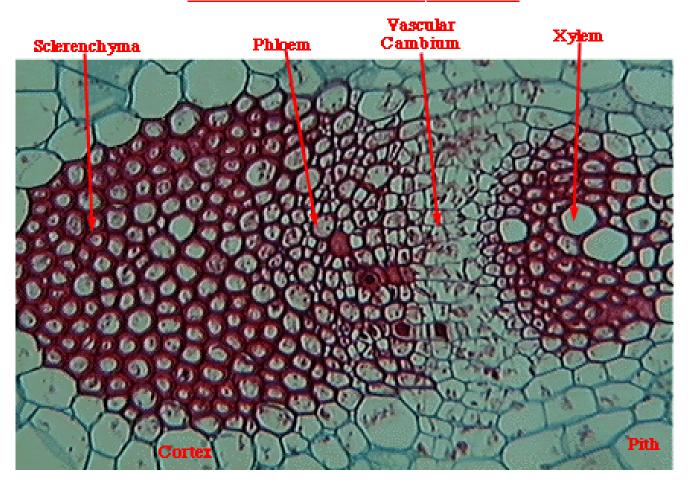


One year old hardwood stem-x.s.



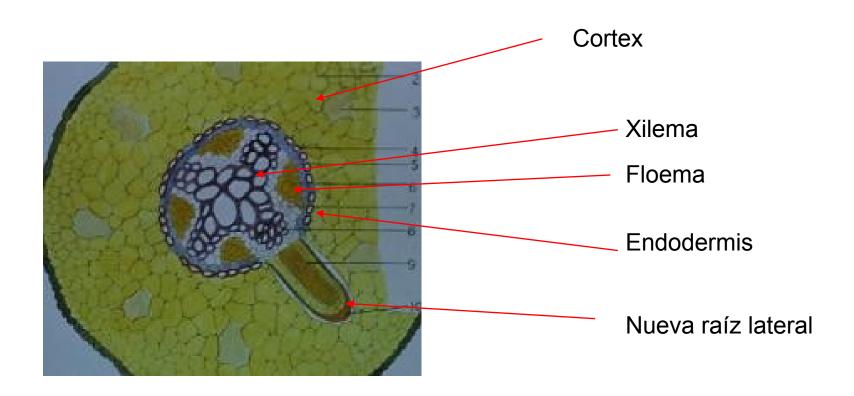
Three year stem x.s.

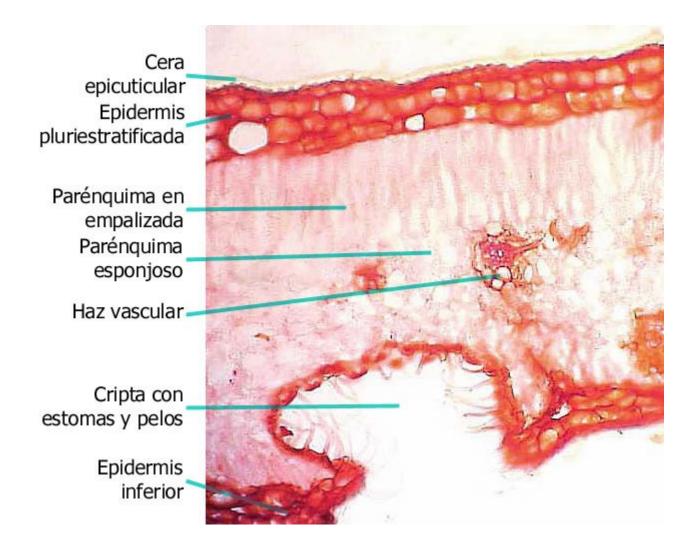
Dicot Stem Vascular Bundle



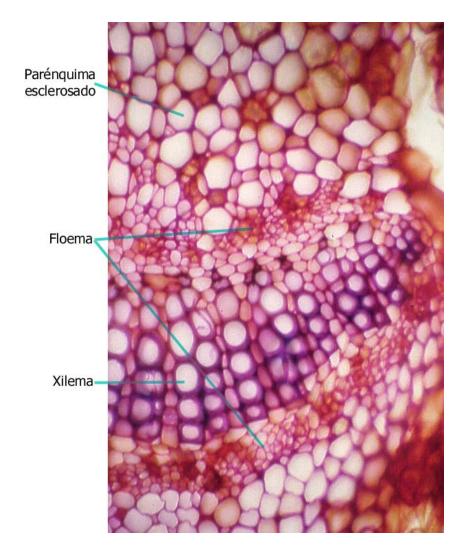
Helianthus

Raíz sin crecimiento secundario





Corte transversal de una **hoja** de adelfa (*Nerium oleander*) (200x). Es una planta adaptada a vivir en climas muy secos y cálidos aunque con una cierta abundancia de agua en el suelo. Las criptas con los estomas y con tricomas hacen más lenta la transpiración.



ENLACE DE IMÁGENES

DE CORTES

HISTOLÓGICOS

VEGETALES

http://www.inea.uva.es/servicios/histologia/inicio real.htm

(Escuela Universitaria de Ingenieros Técnicos Agrícolas de Valladolid)