

Plantas vasculares | Tejidos II

- **Sistema fundamental**

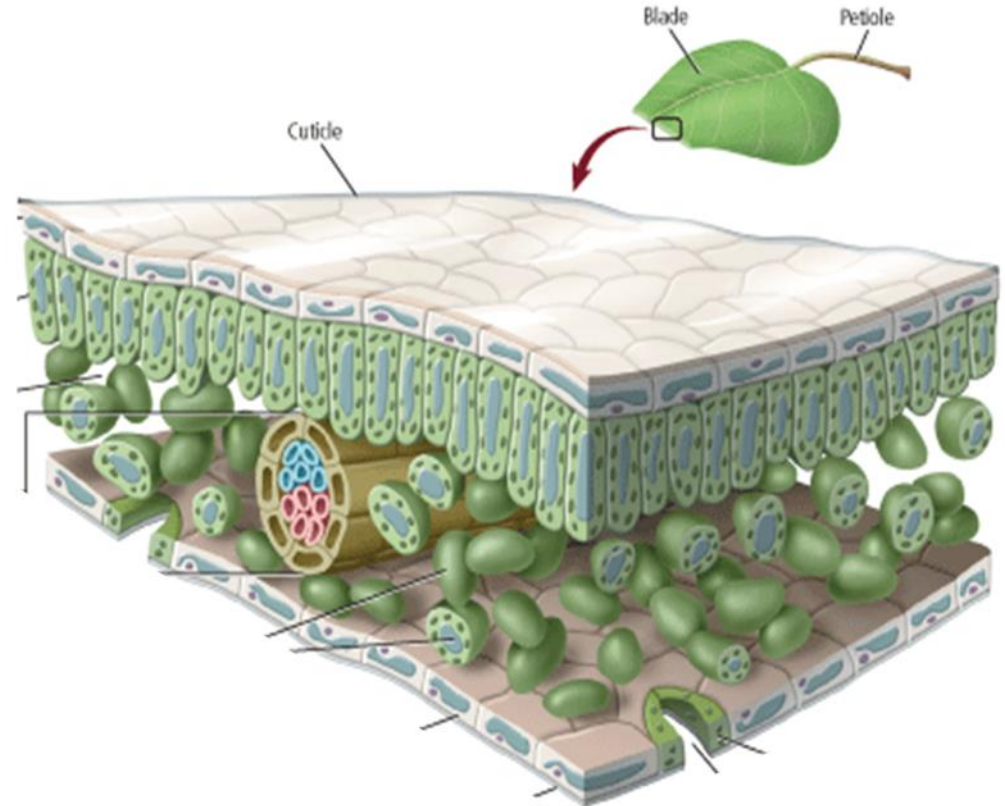
- Parénquima
- Colénquima
- Esclerénquima

- **Sistema dérmico**

- Epidermis
- Peridermis

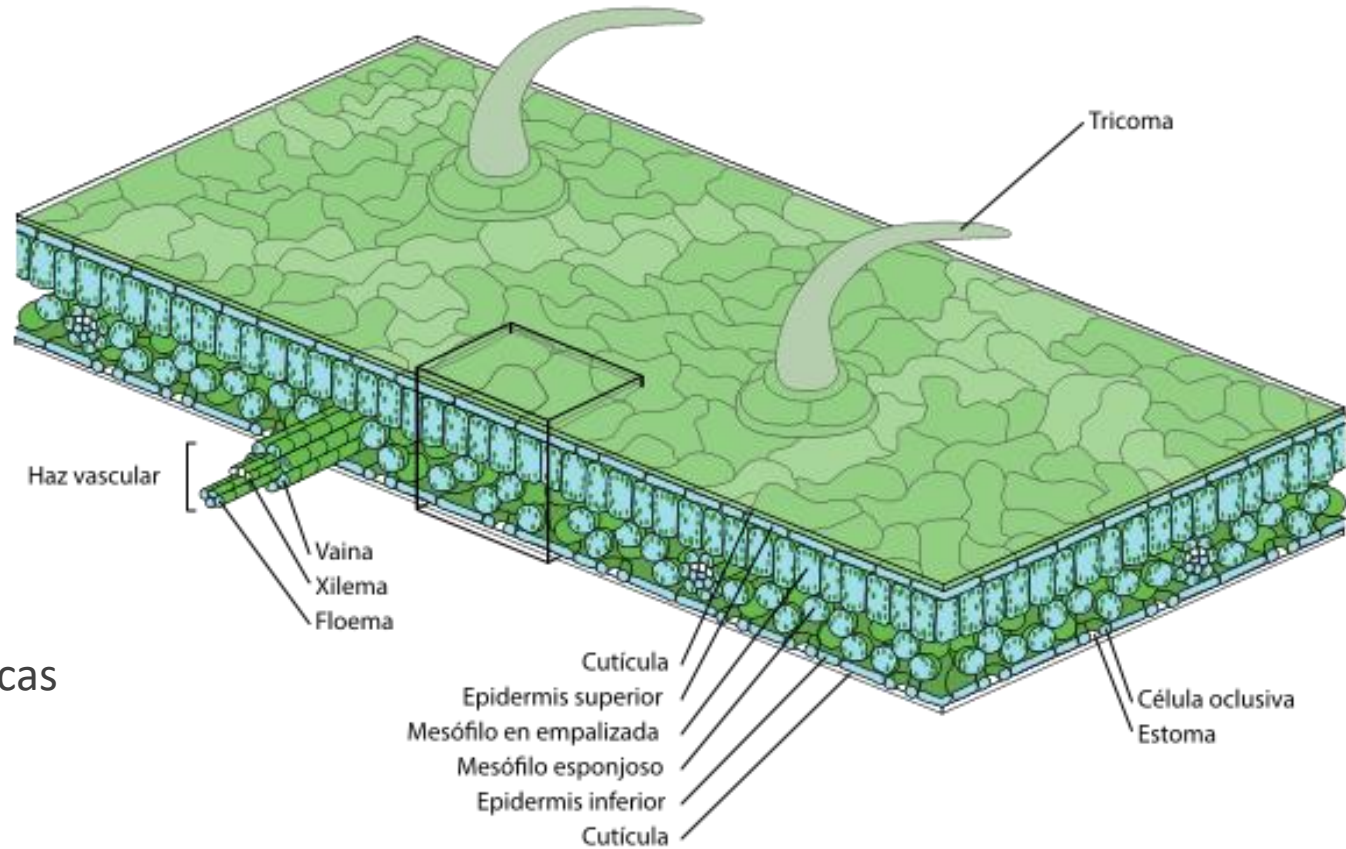
- **Sistema de conducción**

- Xilema
- Floema



Sistema dérmico | EPIDERMIS

Tejido que ocupa la capa más **externa** del **cuerpo primario** de la planta

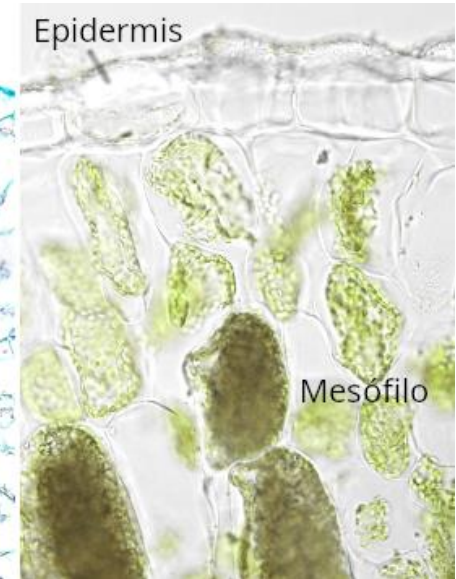
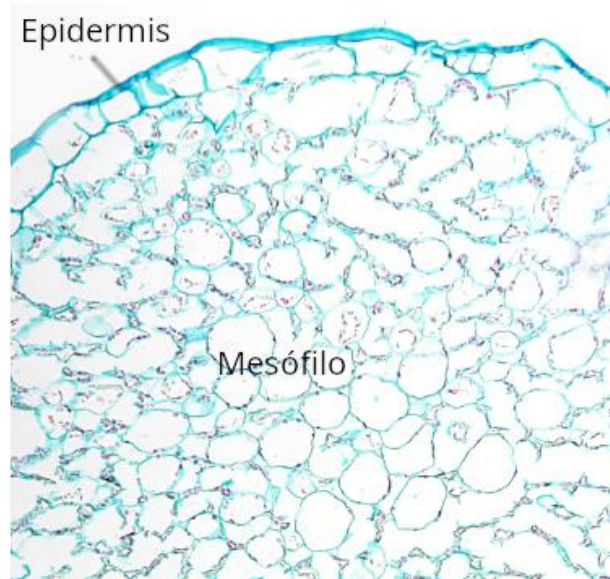


Tejido complejo:

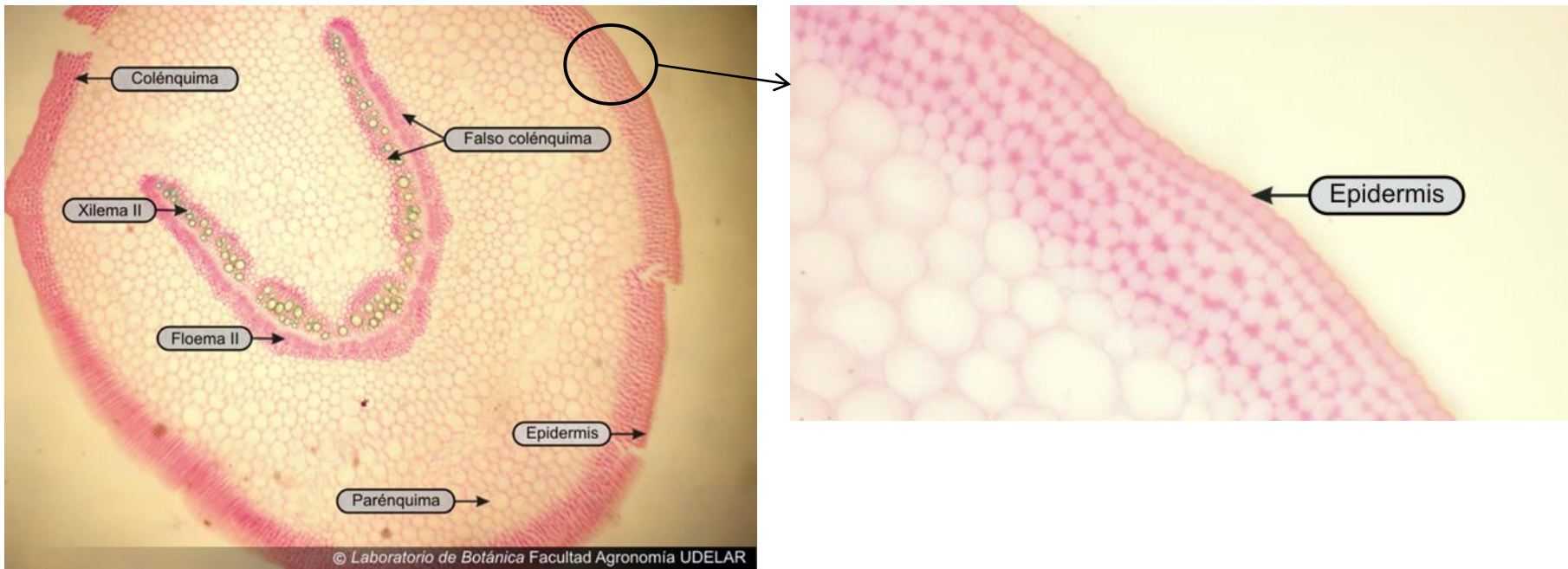
- Cél. epidérmicas típicas
- Células oclusivas
- Tricomas
- Pelos absorbentes
- Estructuras secretoras

Sistema dérmico | EPIDERMIS

- Protección
- Regulación de la transpiración
- Intercambio de gases
- Almacenamiento
- Secreción
- Repelente
- Atracción polinizadores



EPIDERMIS

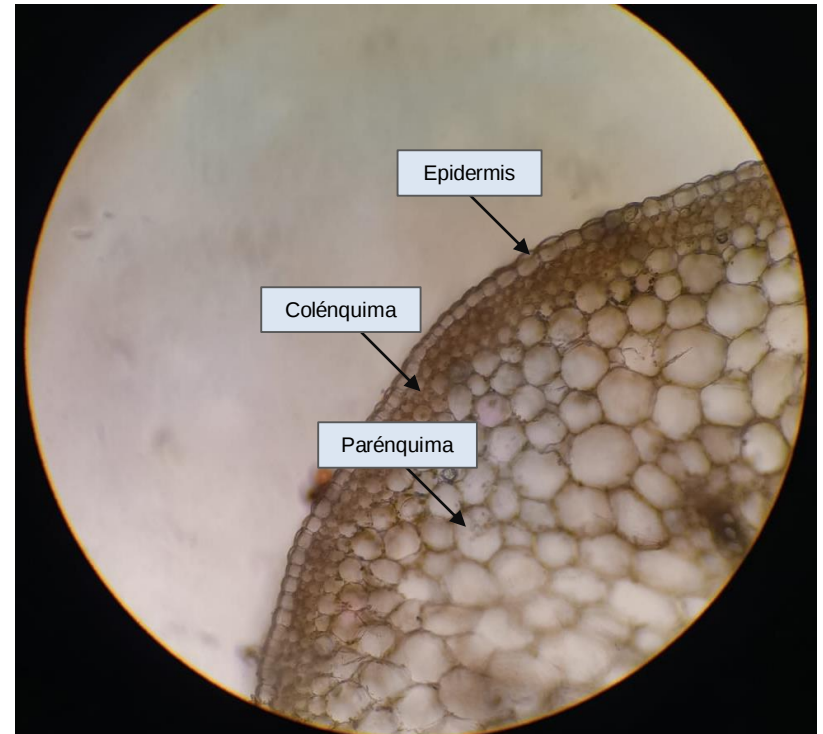


Corte transversal pecíolo de ombú. Obs.
Al microscopio con bajo aumento.
Preparado con tinción

TEJIDOS



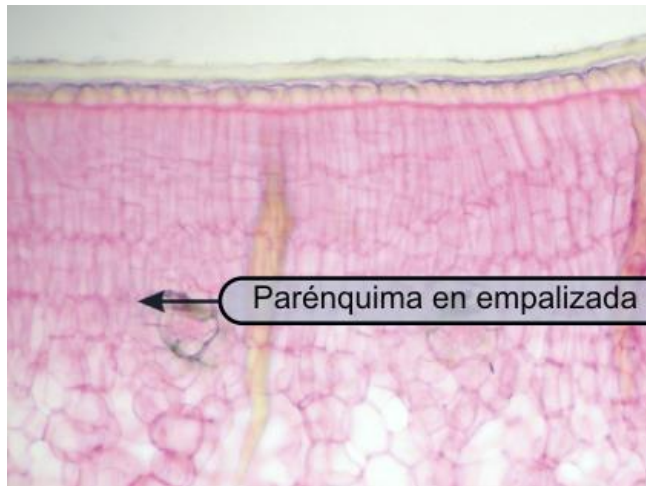
Corte transversal pecíolo de ombú. Obs.
Bajo lupa. Preparado vivo



EPIDERMIS

Células epidérmicas típicas

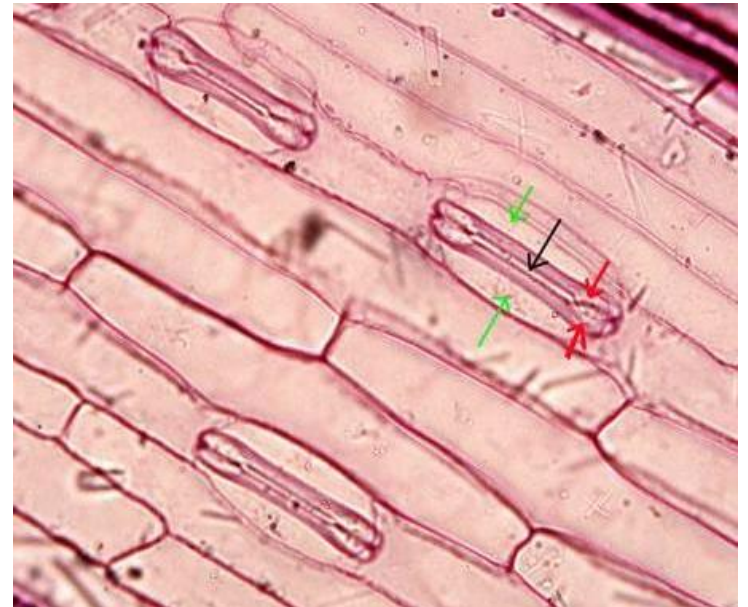
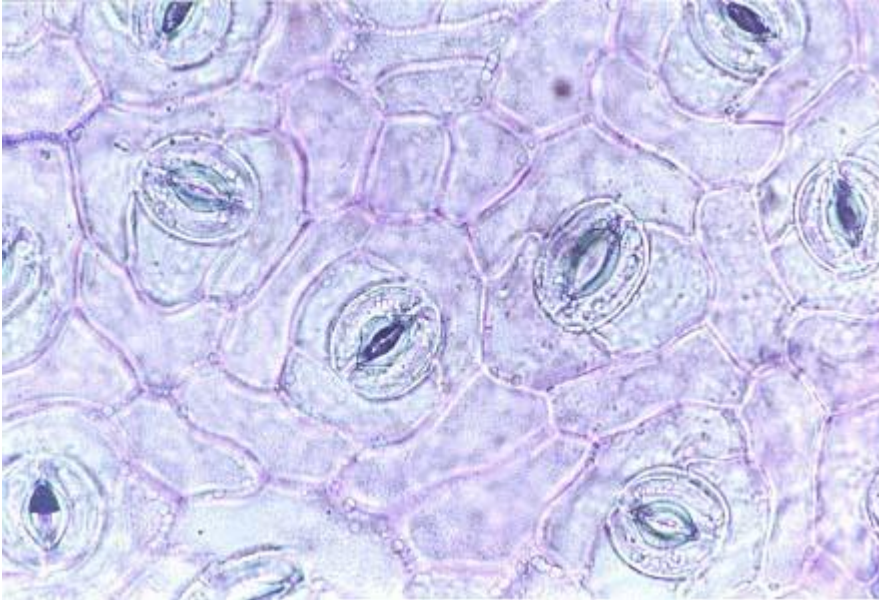
- Tabulares
- Sin espacio intercelular
- Masa fundamental
- Presencia de cutícula



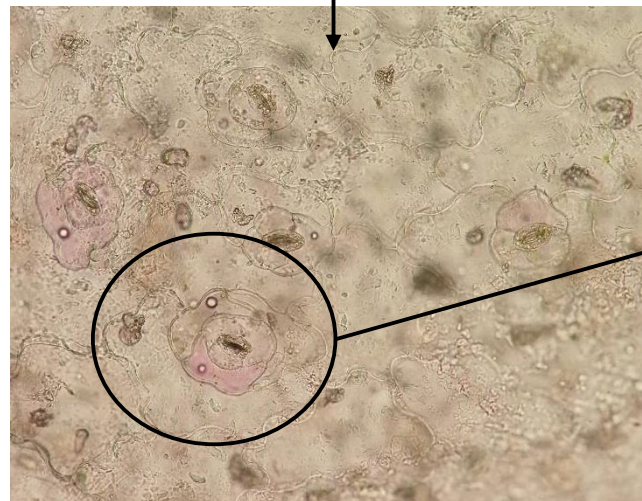
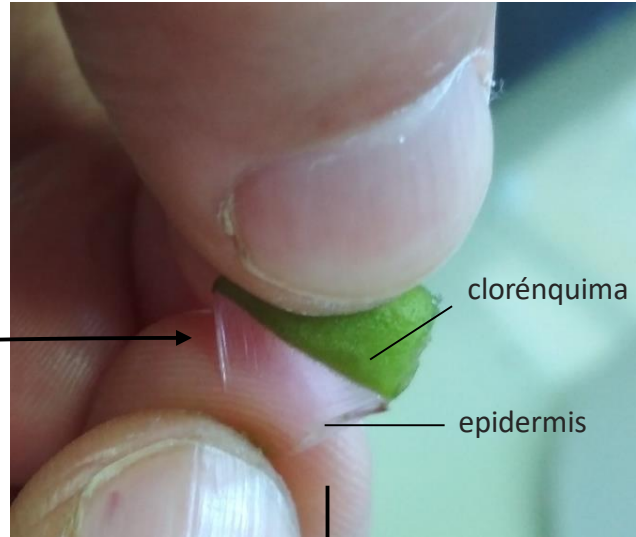
EPIDERMIS

Estomas

- Células oclusivas + ostíolo
- Cél. oclusivas con cloroplastos

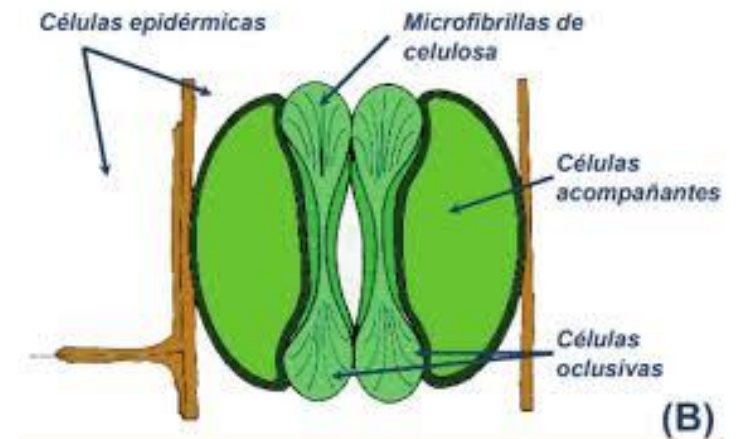
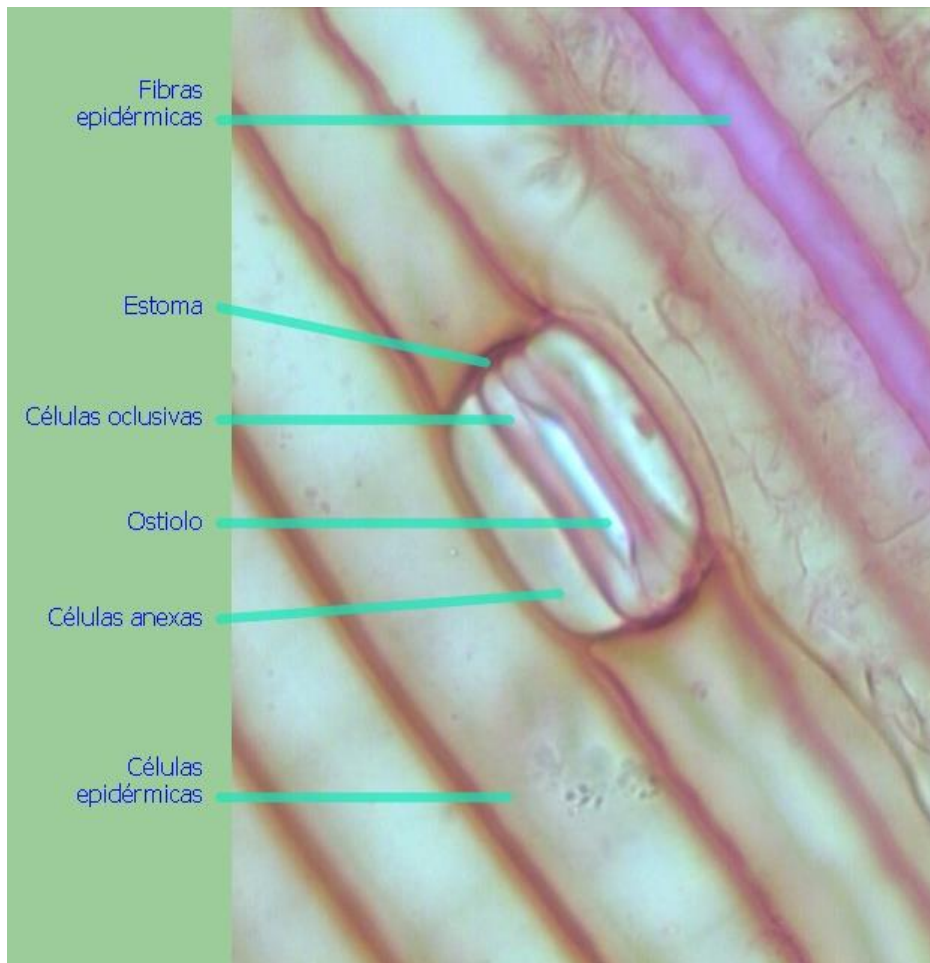


EPIDERMIS



EPIDERMIS

Estomas de Moncotiledónea



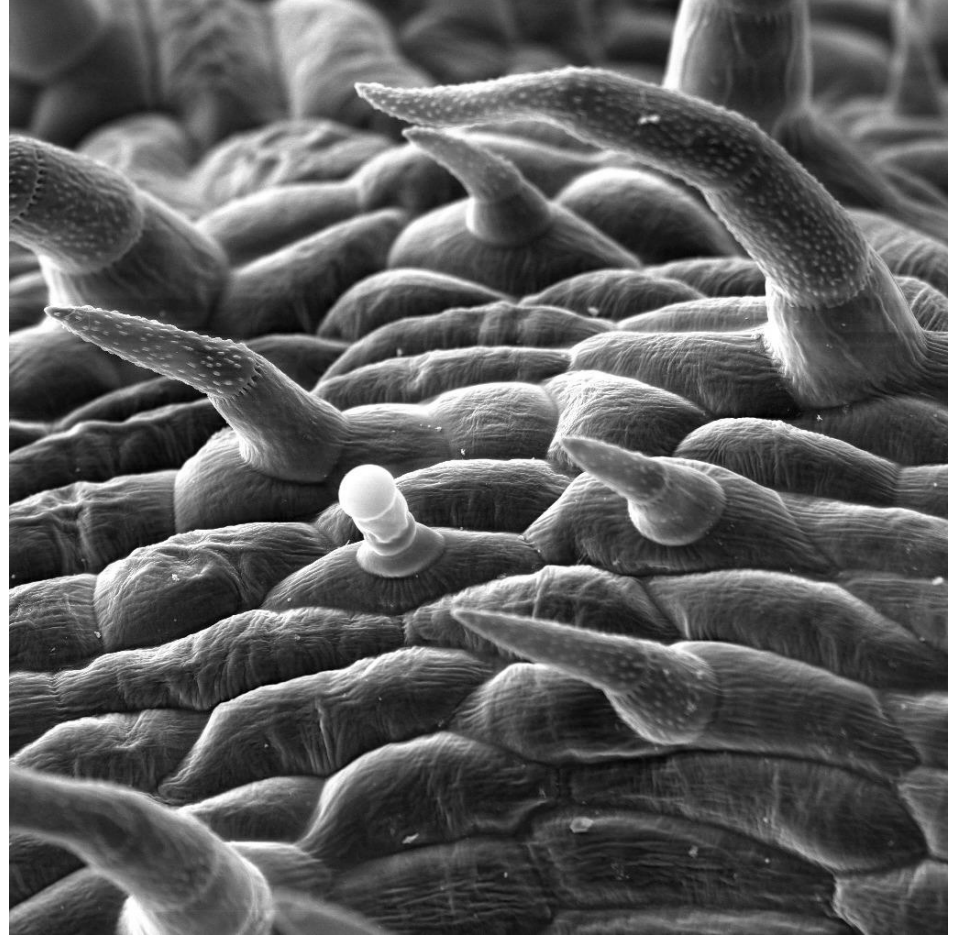
EPIDERMIS



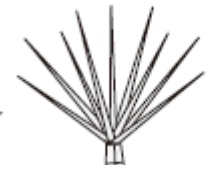
EPIDERMIS

Tricomas

- Apéndices epidérmicos



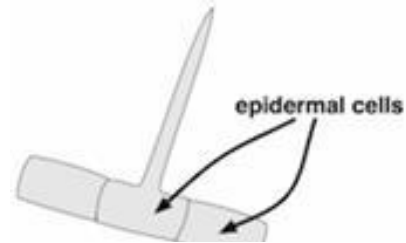
EPIDERMIS



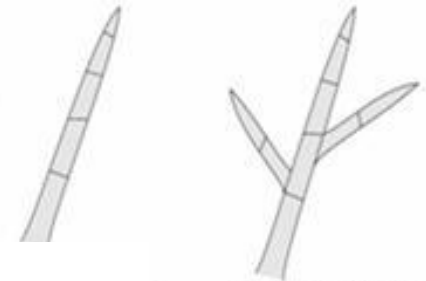
estrellado

Tricomas

- Apéndices epidérmicos



simples



ramificado

Clasificación

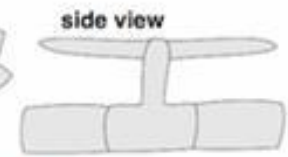
- Simples
- Ramificados
- Estrellados
- Glandulares
- Escamosos o peltados



glandular



top view



side view

Escama/peltado

EPIDERMIS

Tricomas

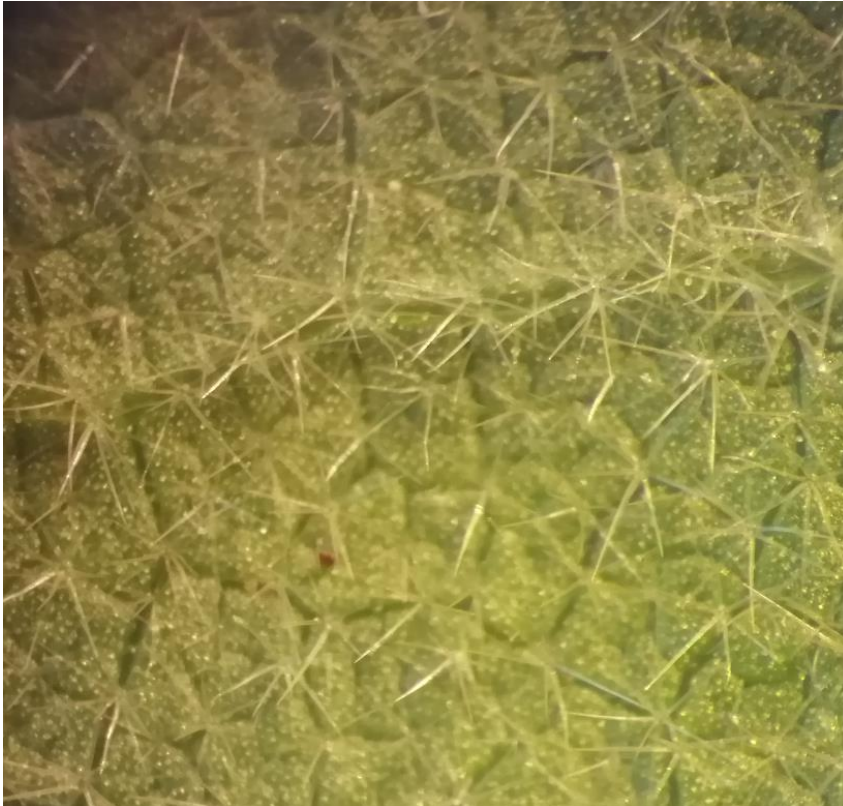


tricoma simple

EPIDERMIS

Tricomas

Tricomas estrellados



Tricomas glandulares

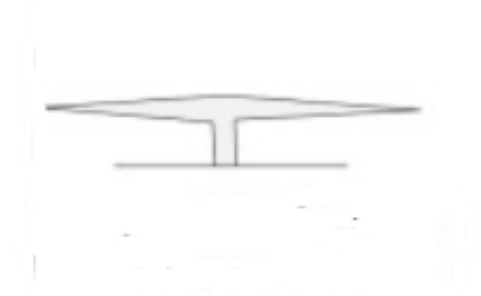


EPIDERMIS

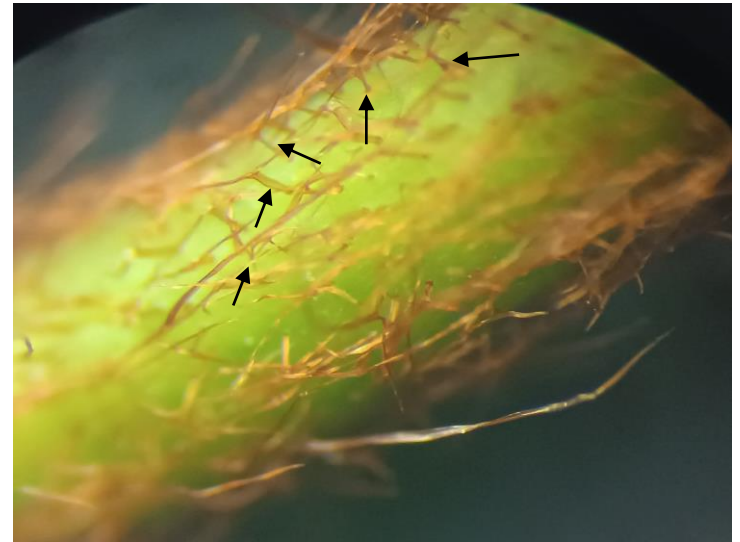
Tricomas:
tipos particulares



uncinados



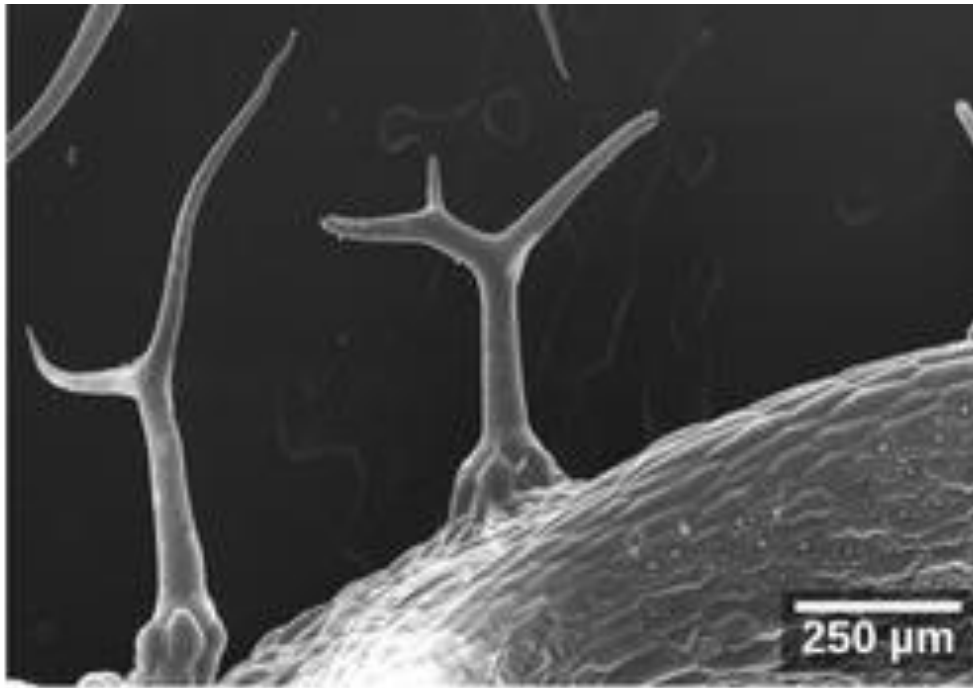
En T o “malpighiaceo”



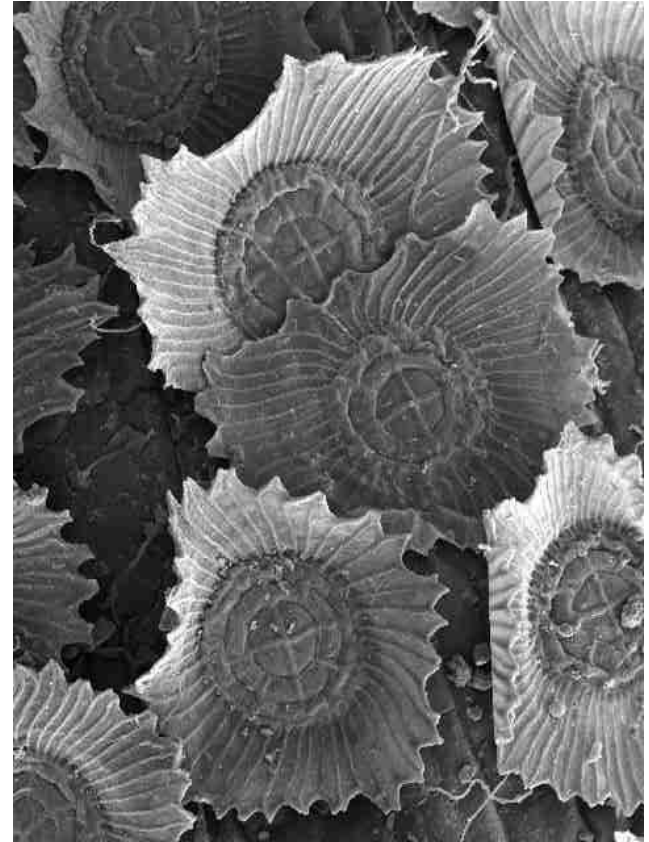
Tricomas

EPIDERMIS

Tricomas ramificados

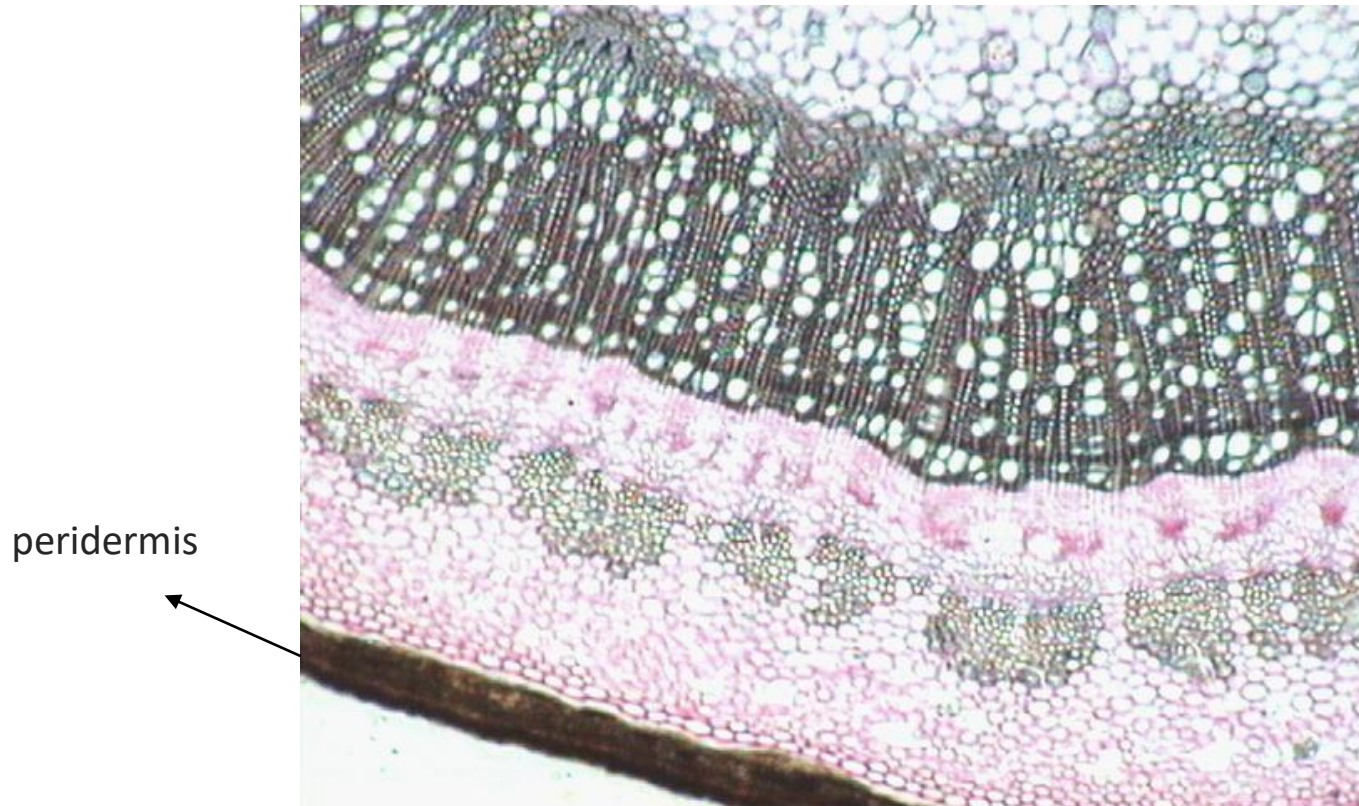


Tricomas peltados (peltados)



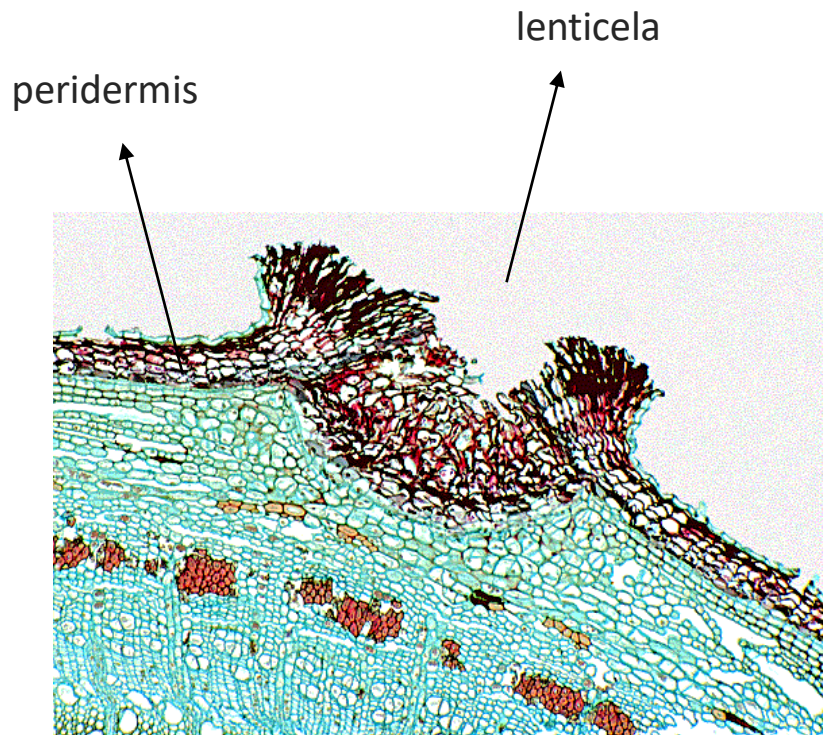
Peridermis

Tejido protección de origen secundario



Peridermis

Lenticelas



Estructuras secretoras

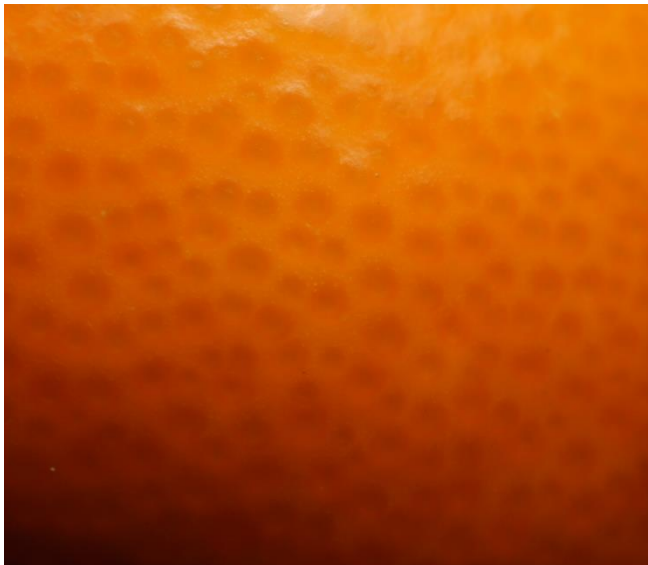
Bolsas secretoras



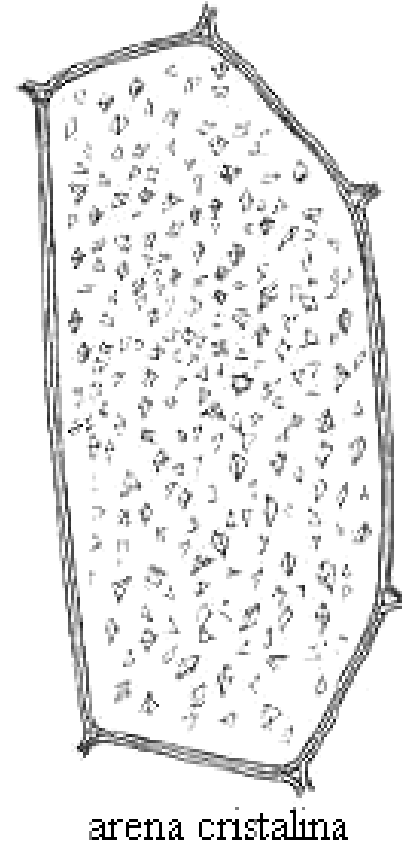
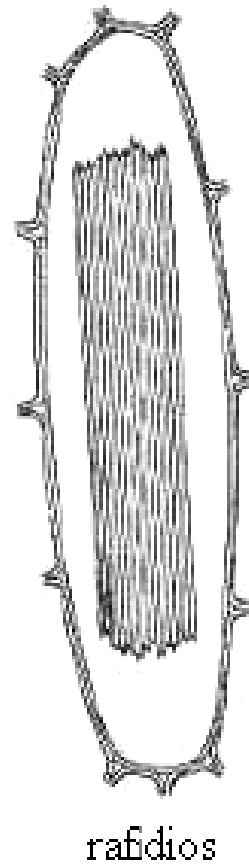
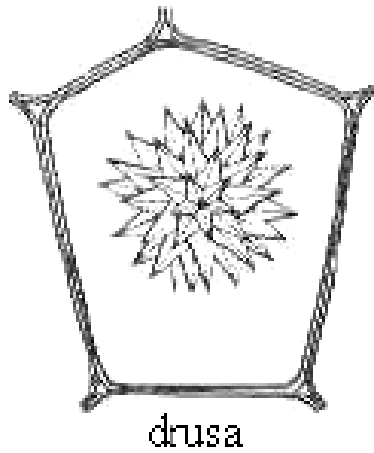
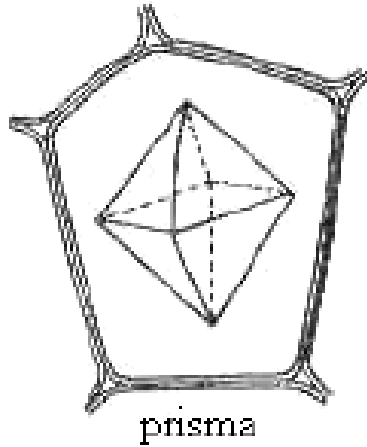
Canales secretores



puntuaciones



Inclusiones celulares



Inclusiones celulares



Ráfides



Drusas

