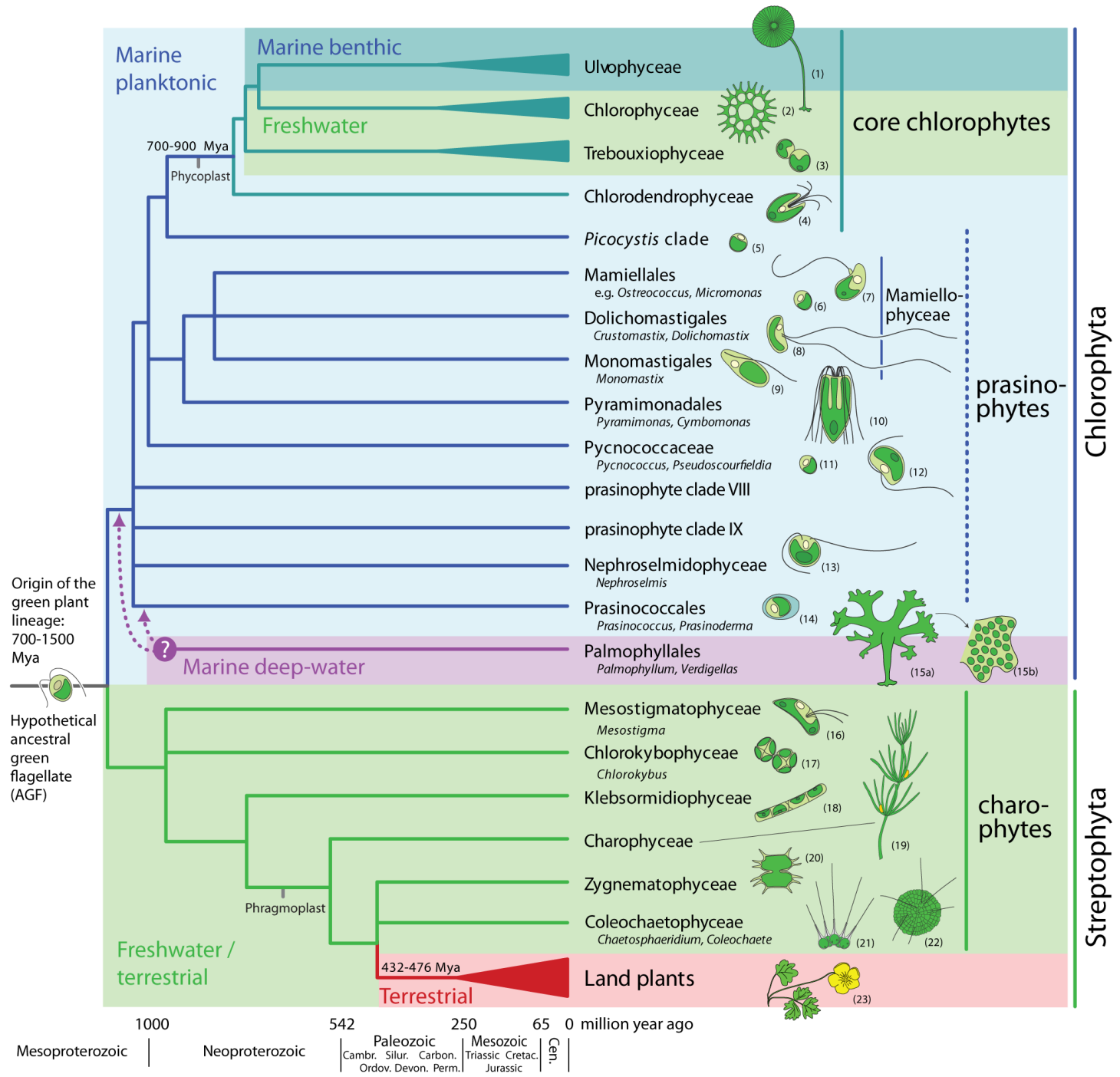


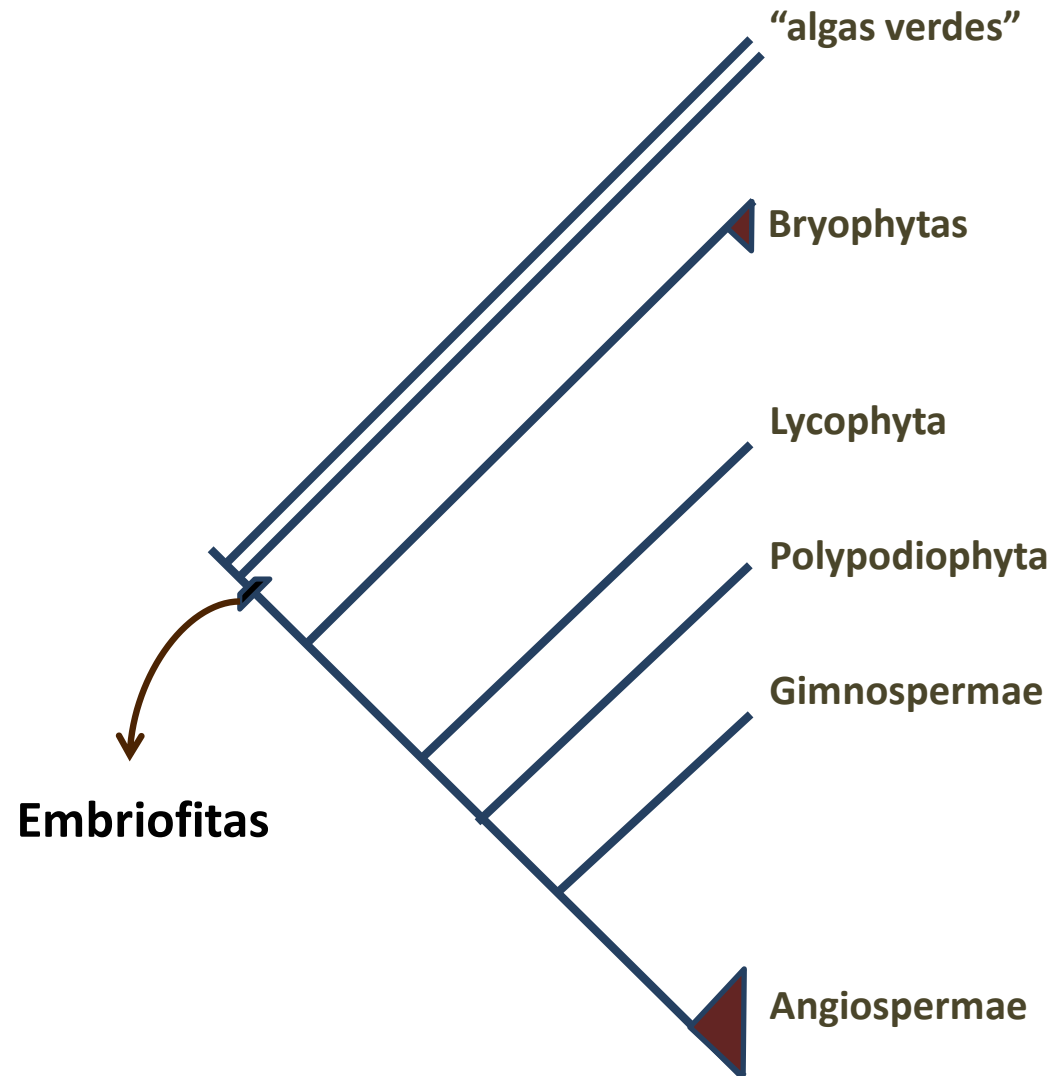
A photograph of a forest floor heavily covered in bright green moss. Large, rounded rocks are partially obscured by the thick carpet of moss. Several tree trunks of varying heights and thicknesses are scattered throughout the scene. A narrow, light-colored path or clearing is visible on the right side, leading into the deeper forest. The lighting is soft and diffused, typical of a forest interior.

Briófitos

Andrés Rossado
Biología Vegetal
29 setiembre 2025

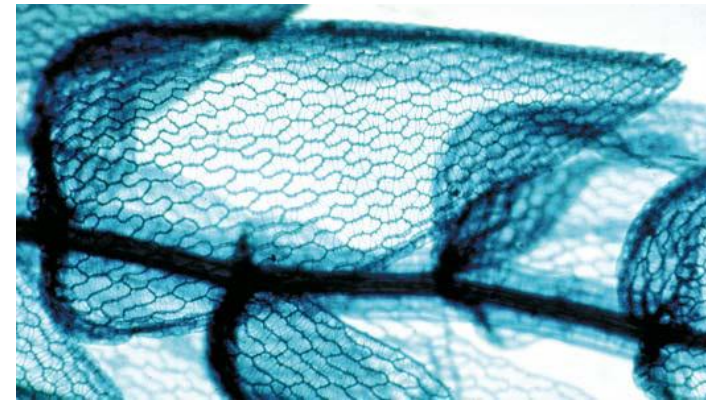
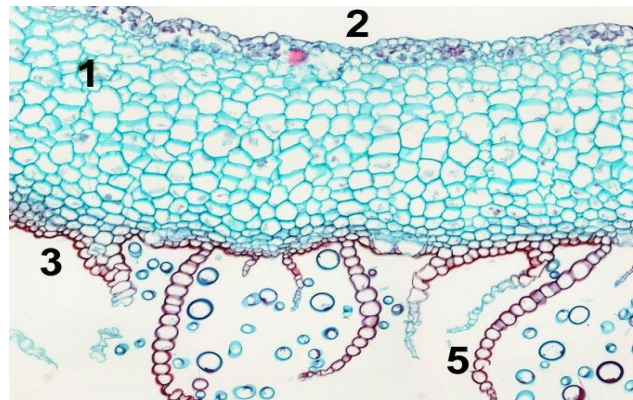


Contexto filogenético



Generalidades vegetativas

- Plantas pequeñas
- Diferenciación celular poco compleja
- Carecen de tejidos de conducción
- No poseen lignina (esclerenquima ausente)
- Ausencia de endodermis
- Ausencia de órganos verdaderos



Diversidad

Principalmente en zonas húmedas y sombrías

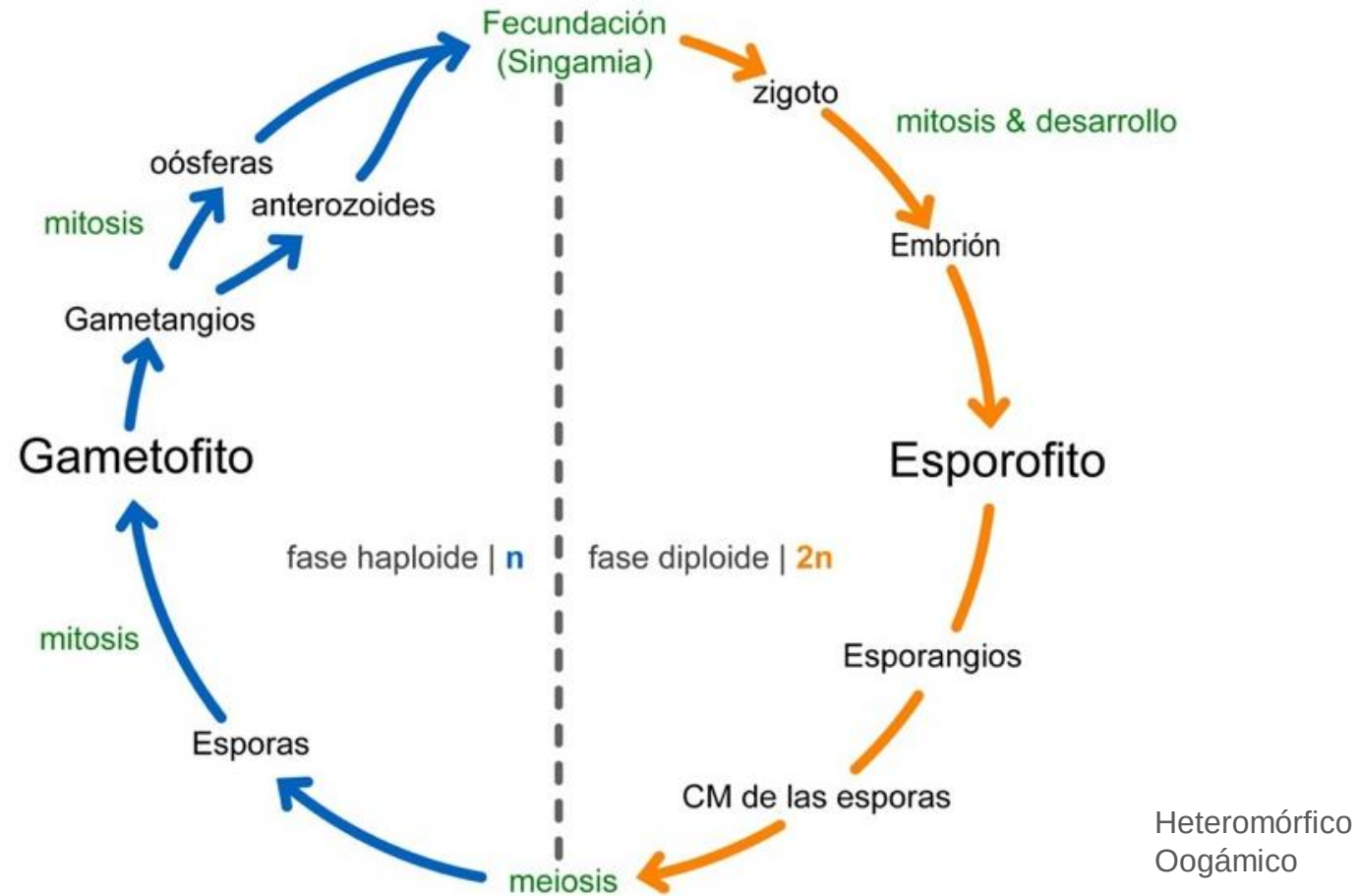
Aprox. 20.000 spp



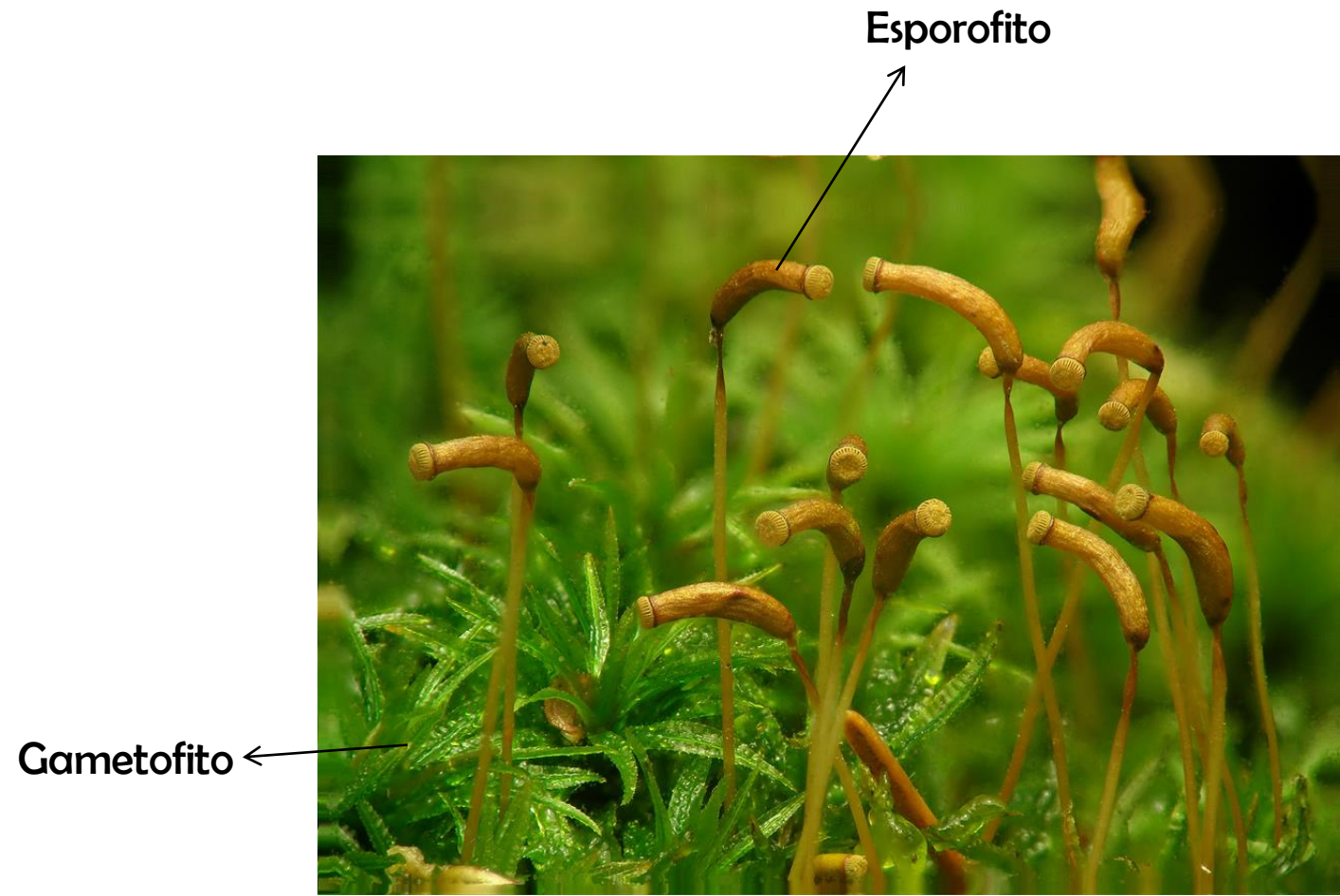


Ciclo de vida

Alternancia de Generaciones en el ciclo biológico de una planta

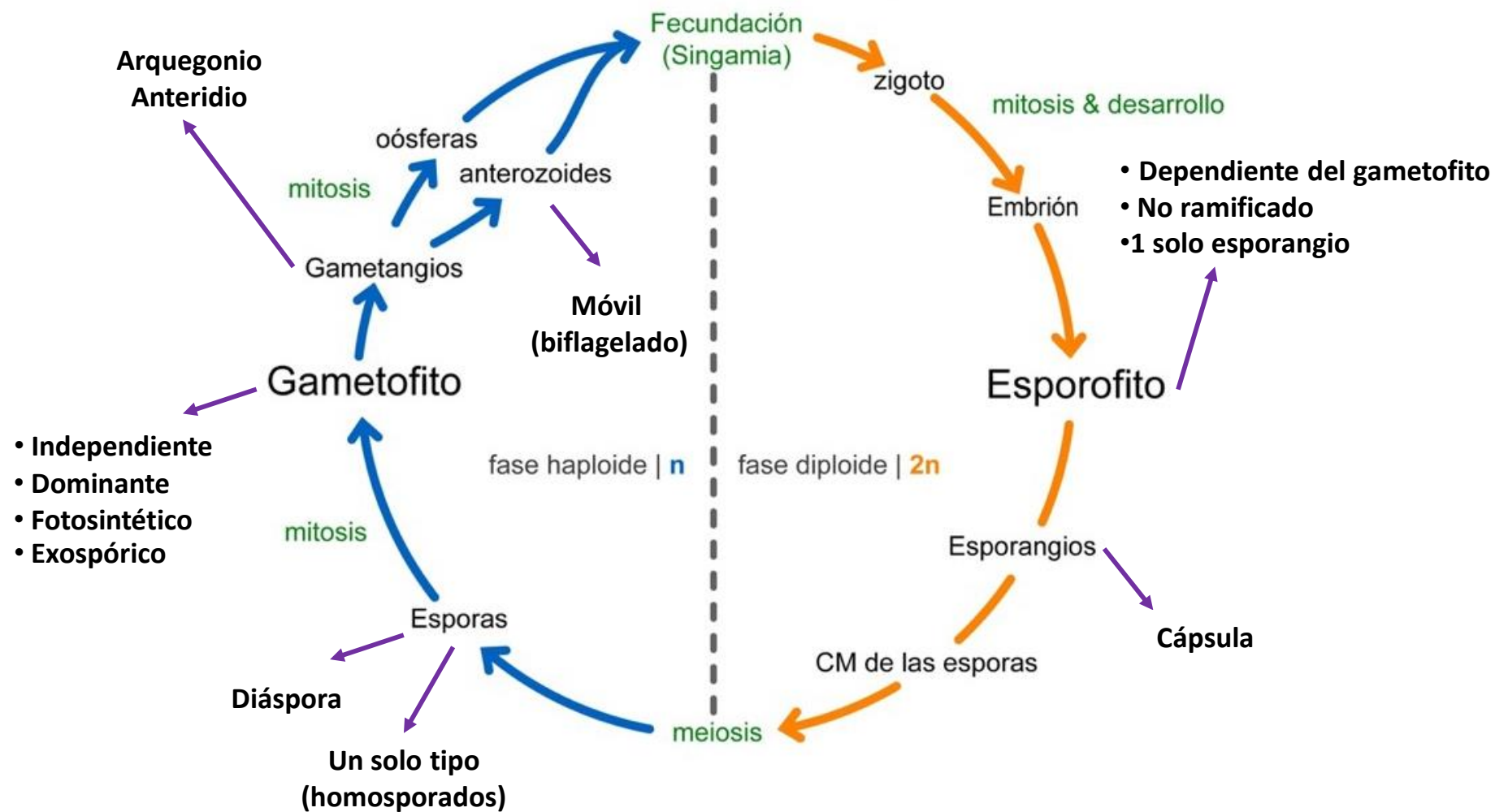


Ciclo de vida

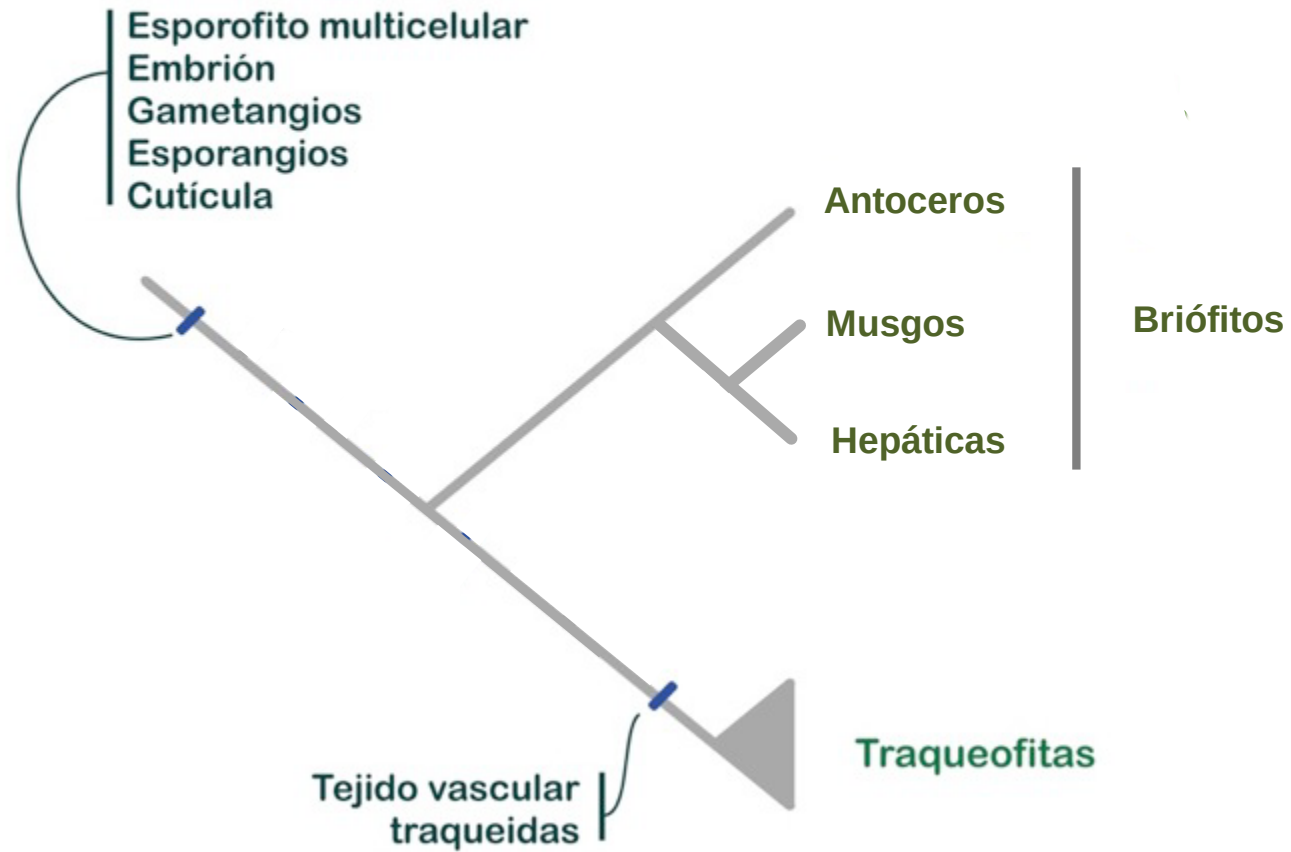


Ciclo de vida

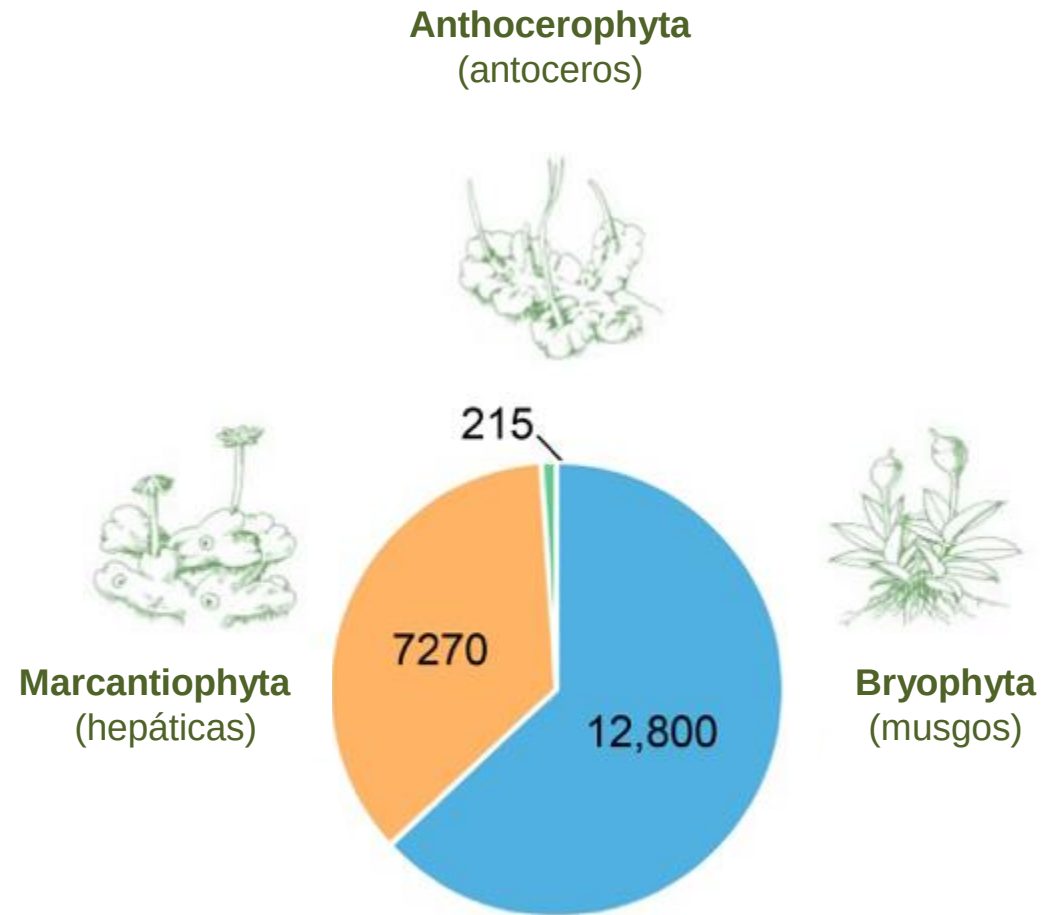
Particularidades briófitos



Contexto filogenético



Números briófitos



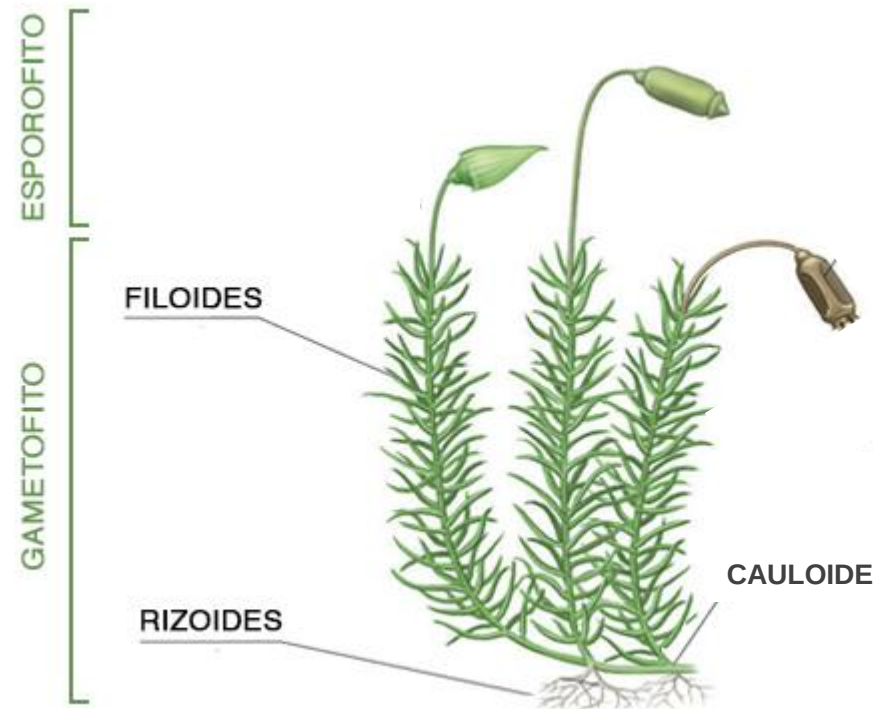


Bryophyta

Comúnmente
llamados “musgos”
(ca. 13.000 spp)

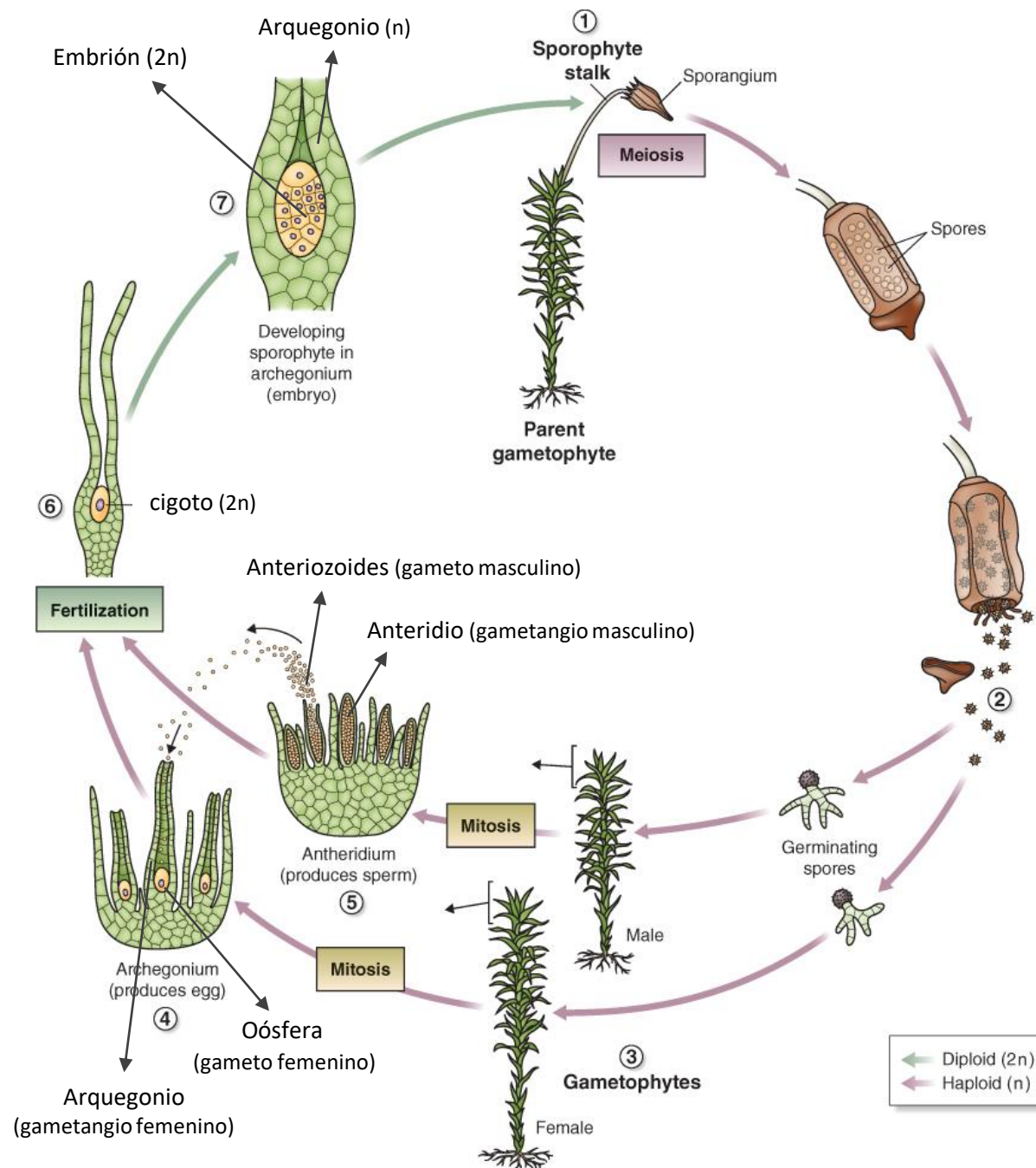
Bryophyta

Gametofito



Bryophyta

Ciclo de vida



Bryophyta

Gametofito



protonema



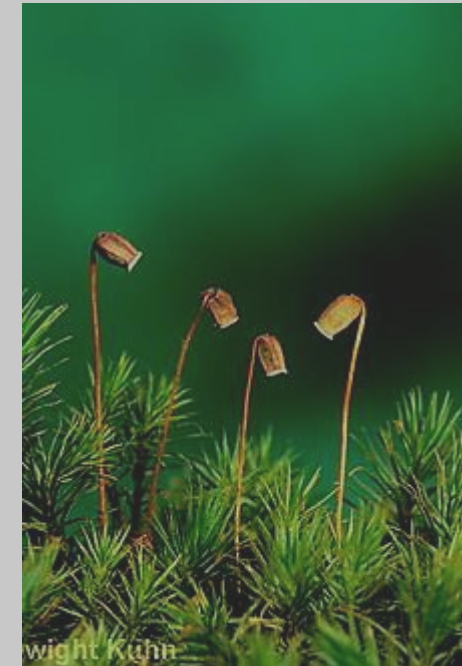
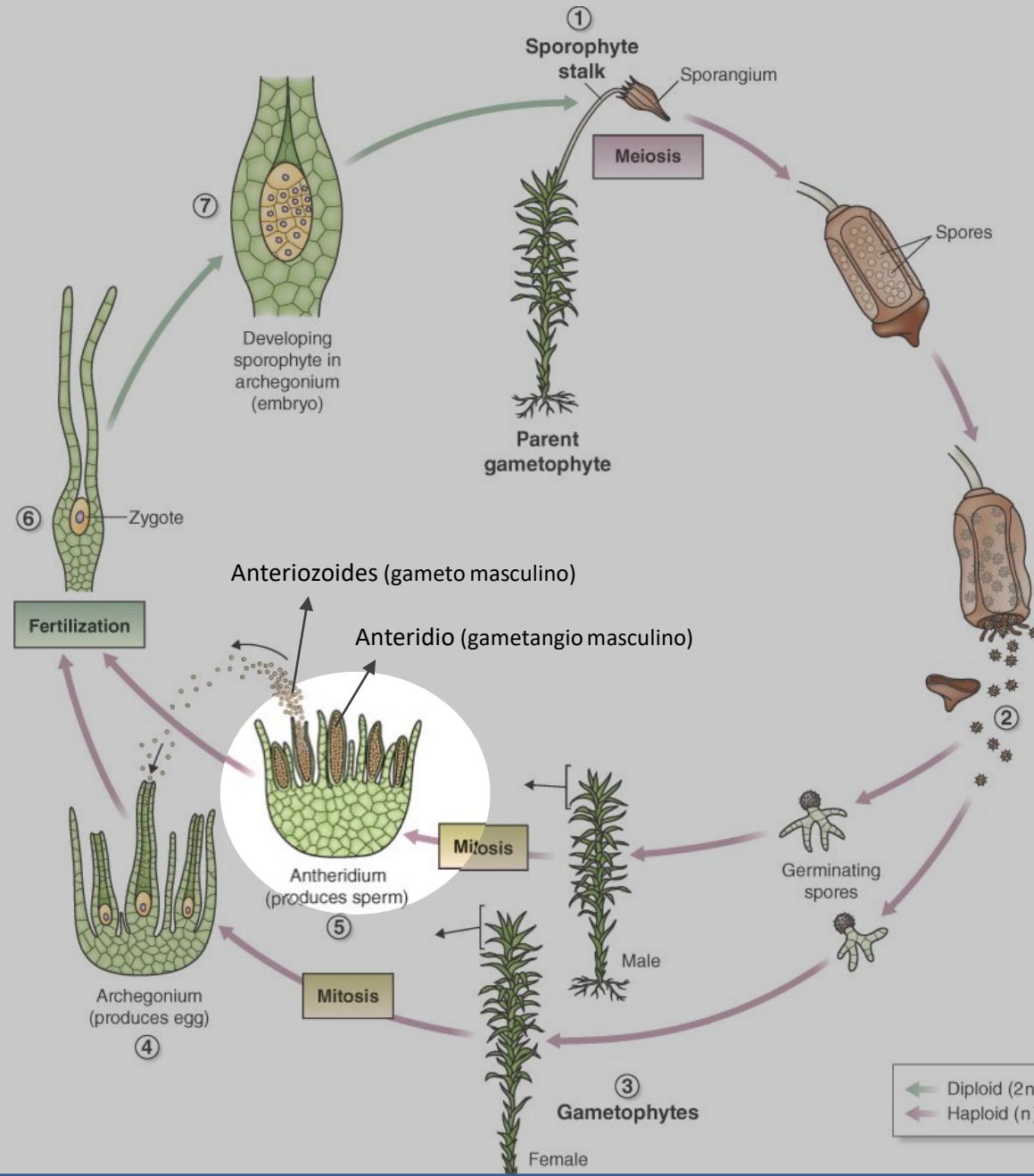
Bryophyta

Gametofito – gametangios



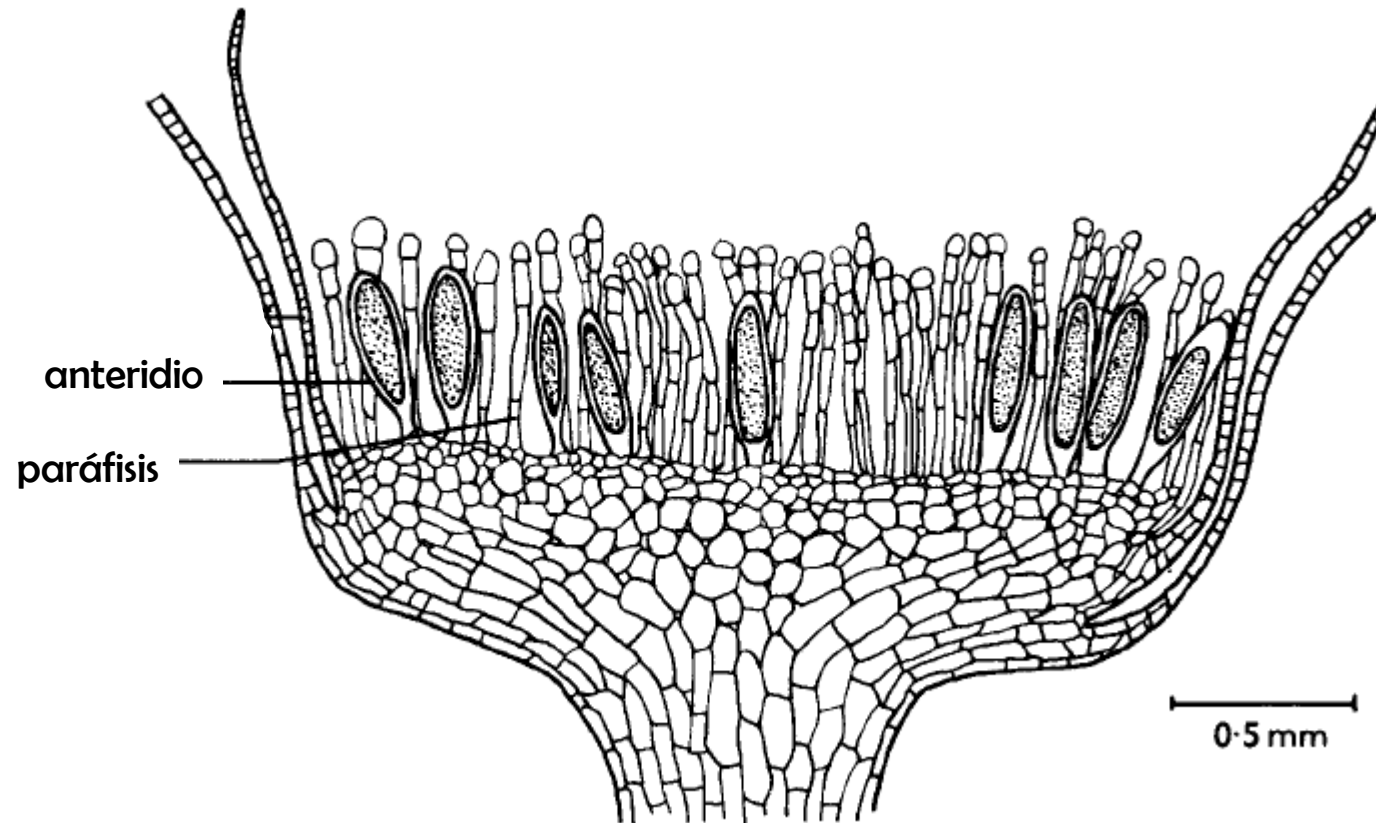
Bryophyta

Ciclo de vida



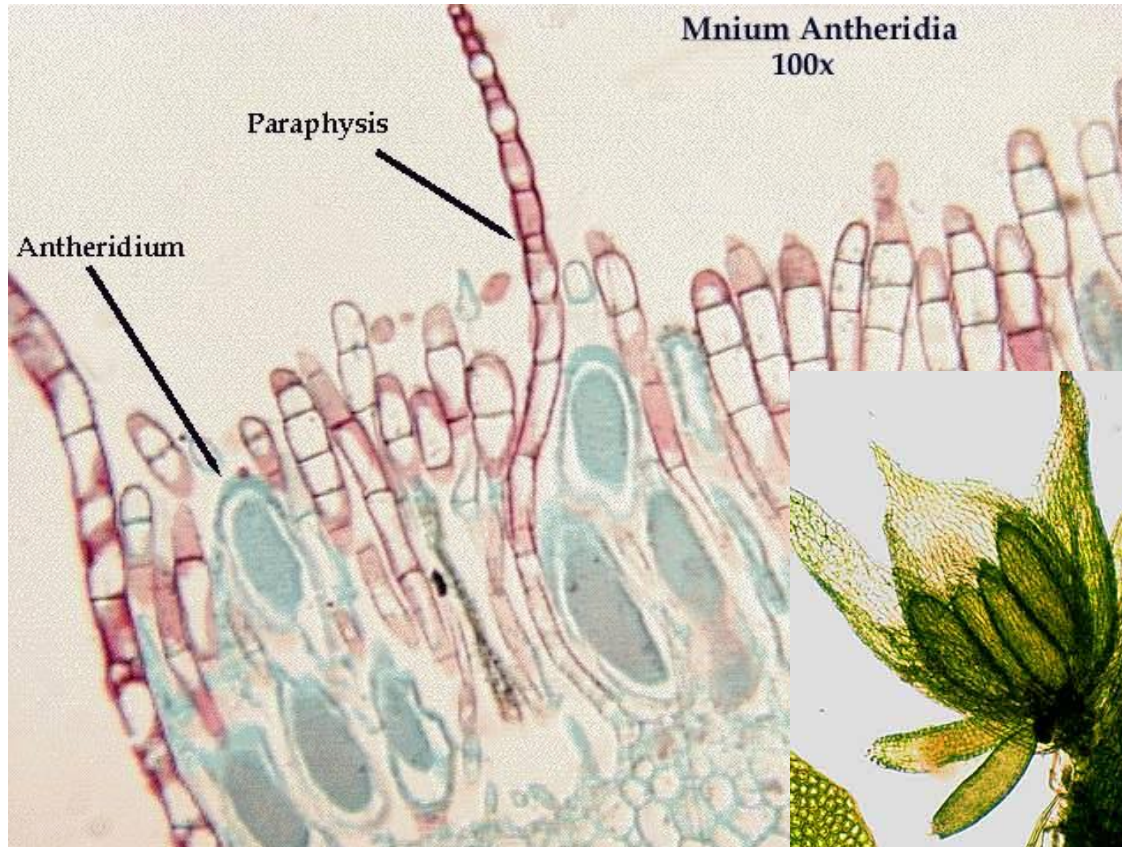
Bryophyta

Gametofito – gametangio masculino



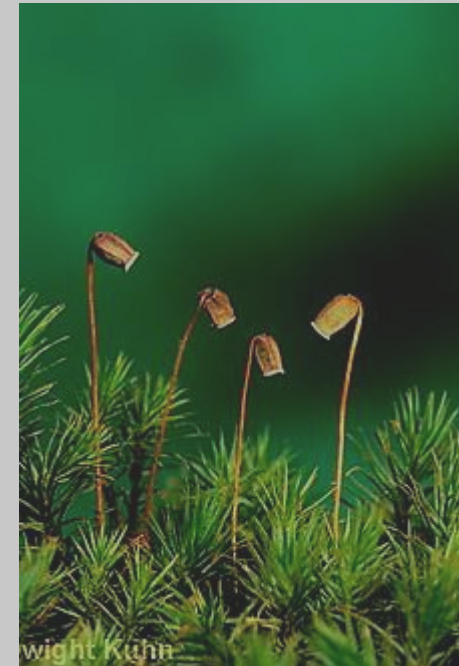
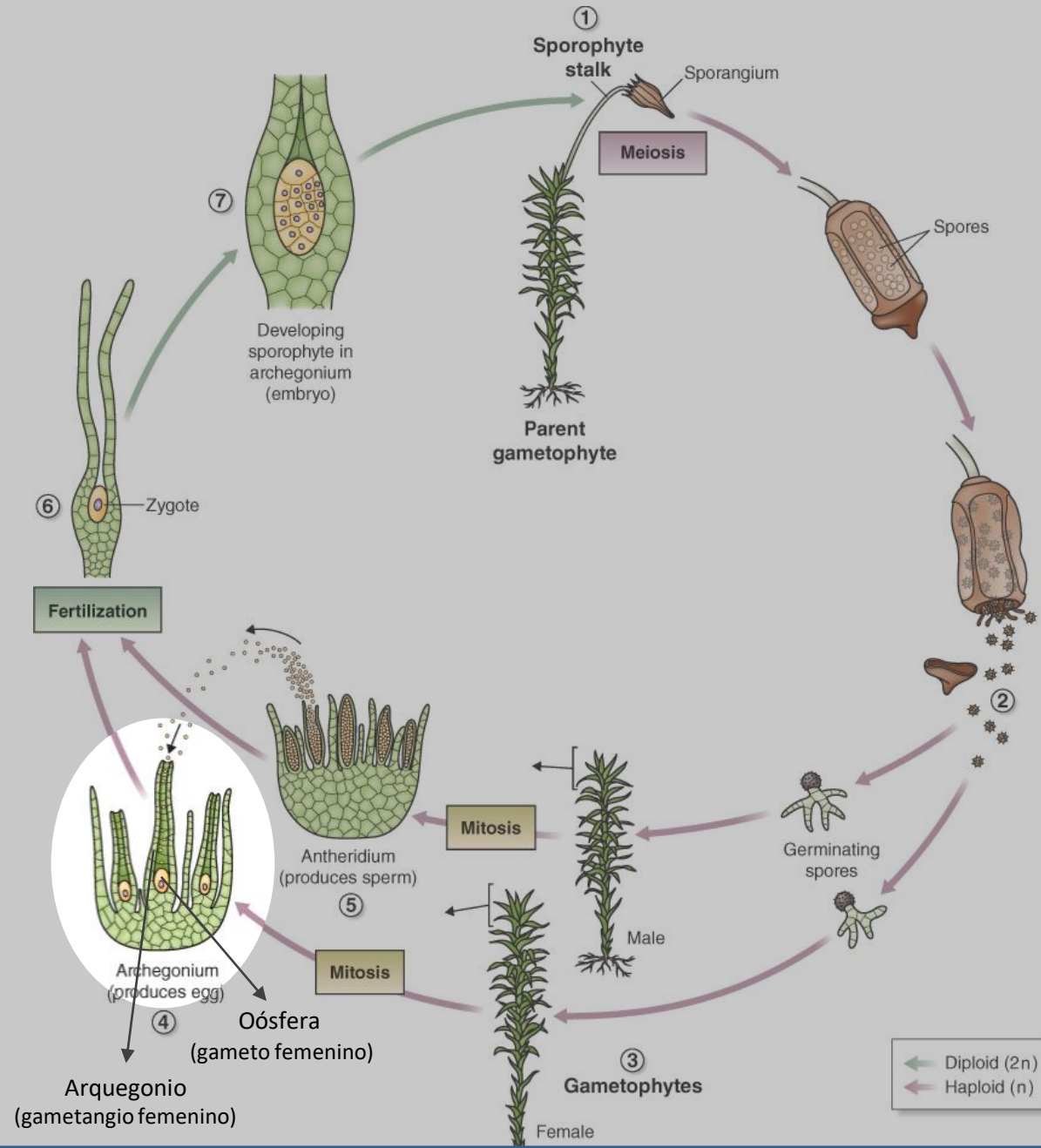
Bryophyta

Gametofito – gametangio masculino



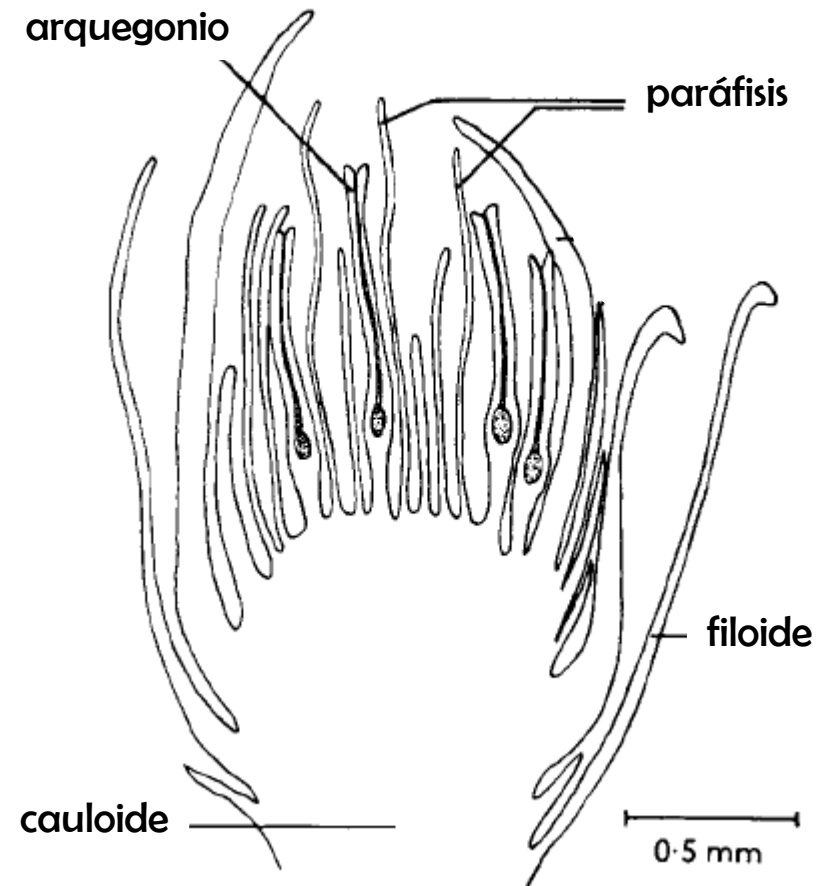
Bryophyta

Ciclo de vida



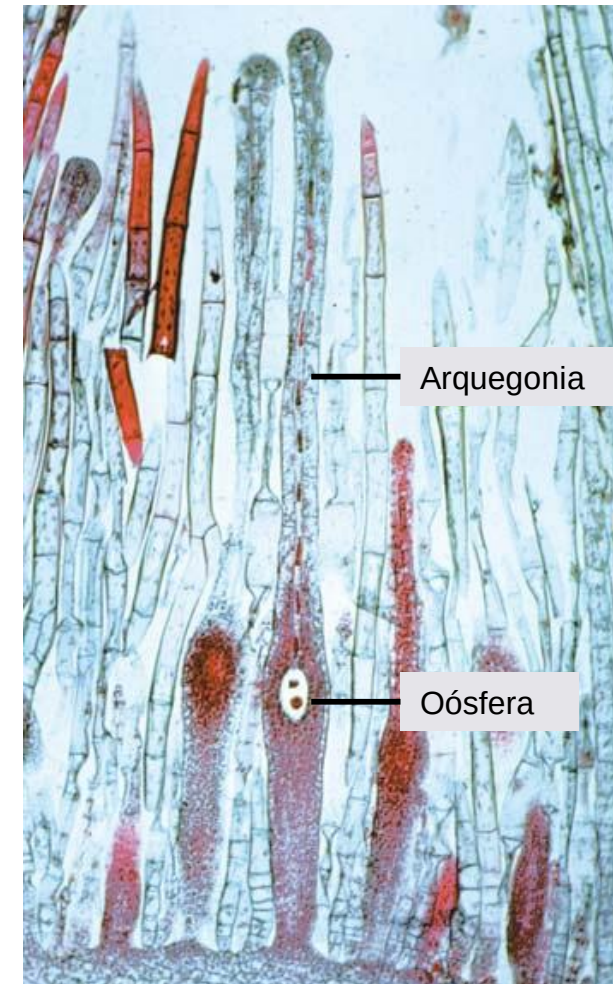
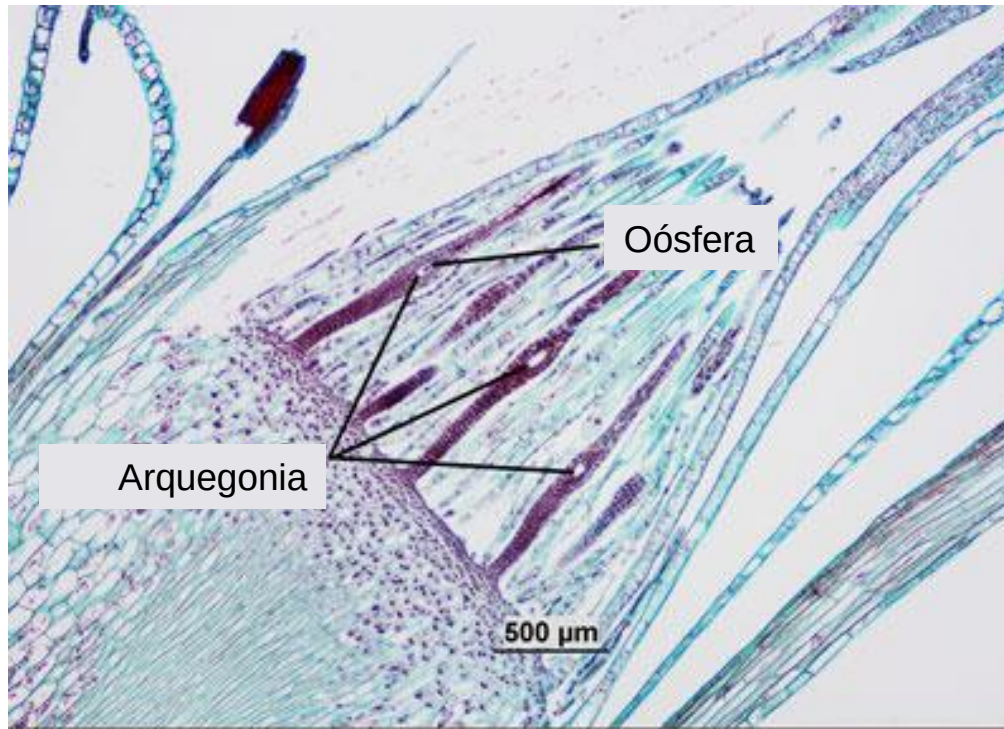
Bryophyta

Gametofito – gametangio femenino



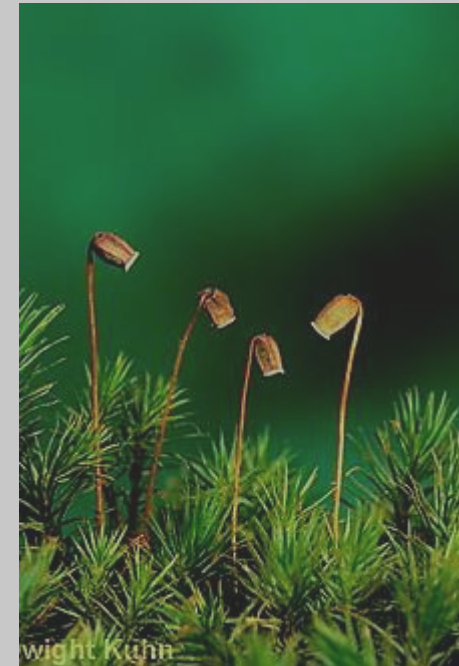
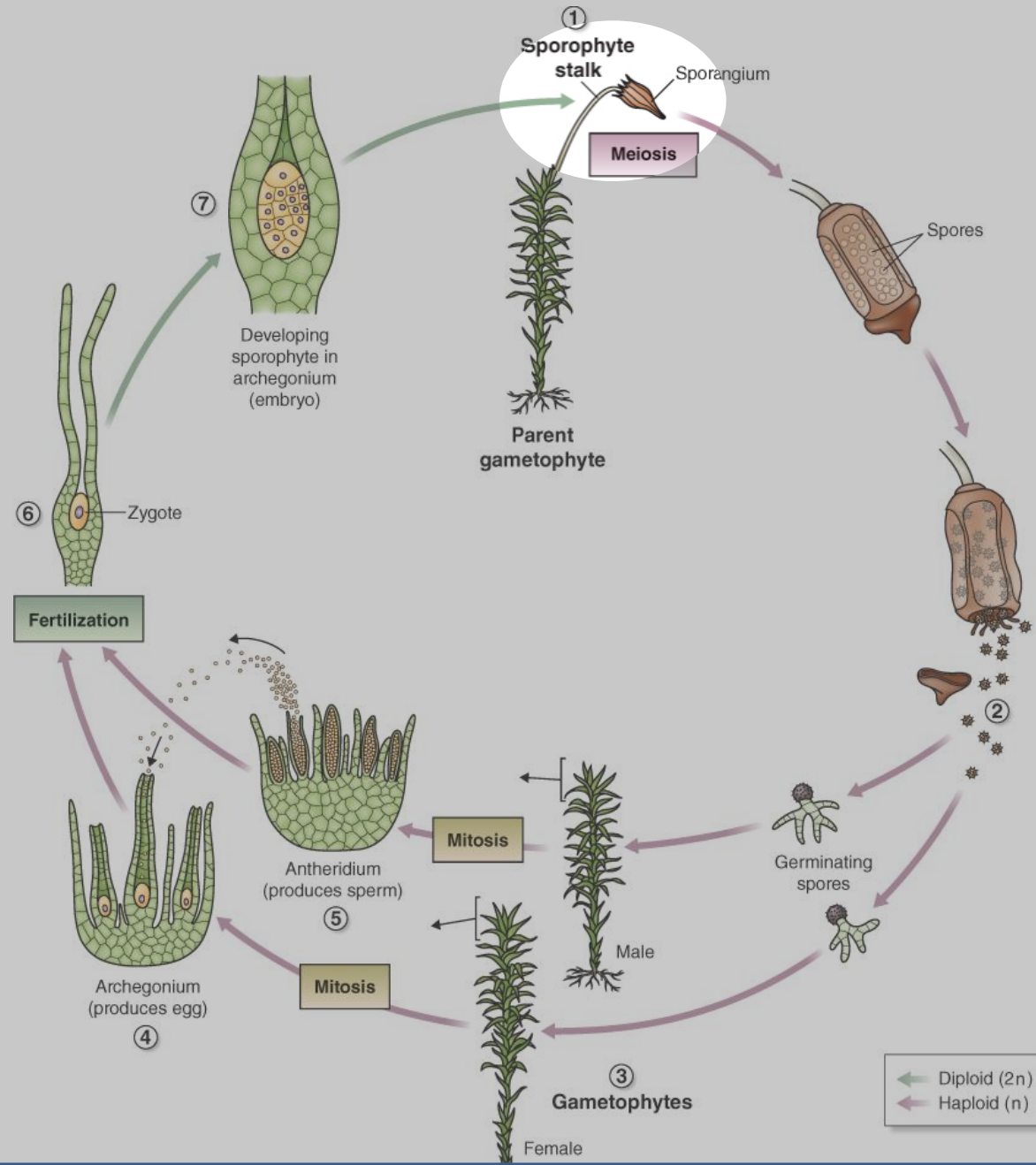
Bryophyta

Gametofito – gametangio femenino



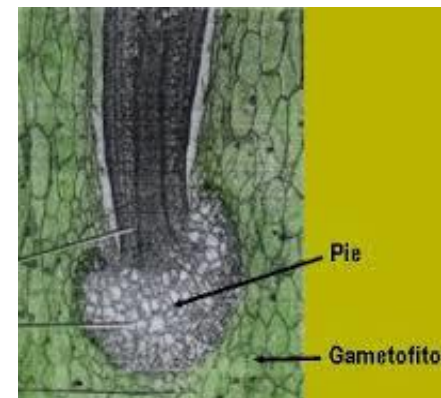
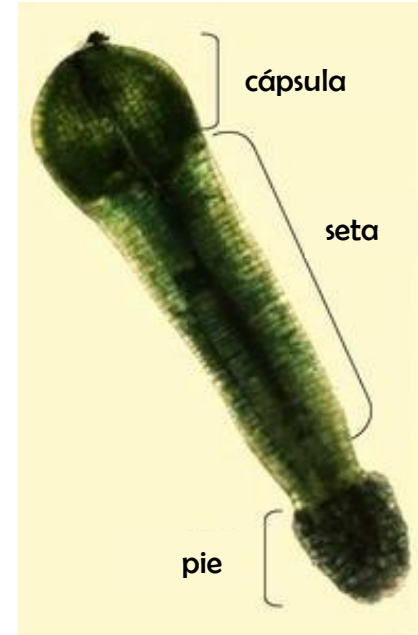
Bryophyta

Ciclo de vida



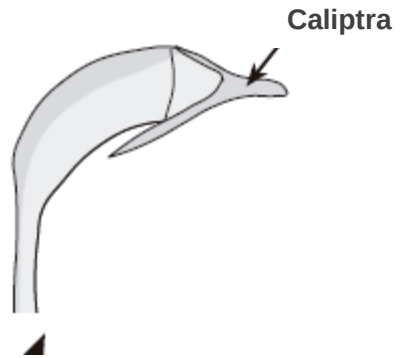
Bryophyta

Esporofito



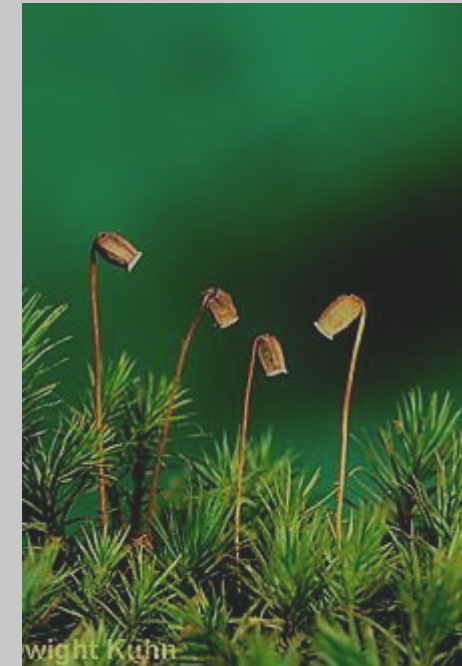
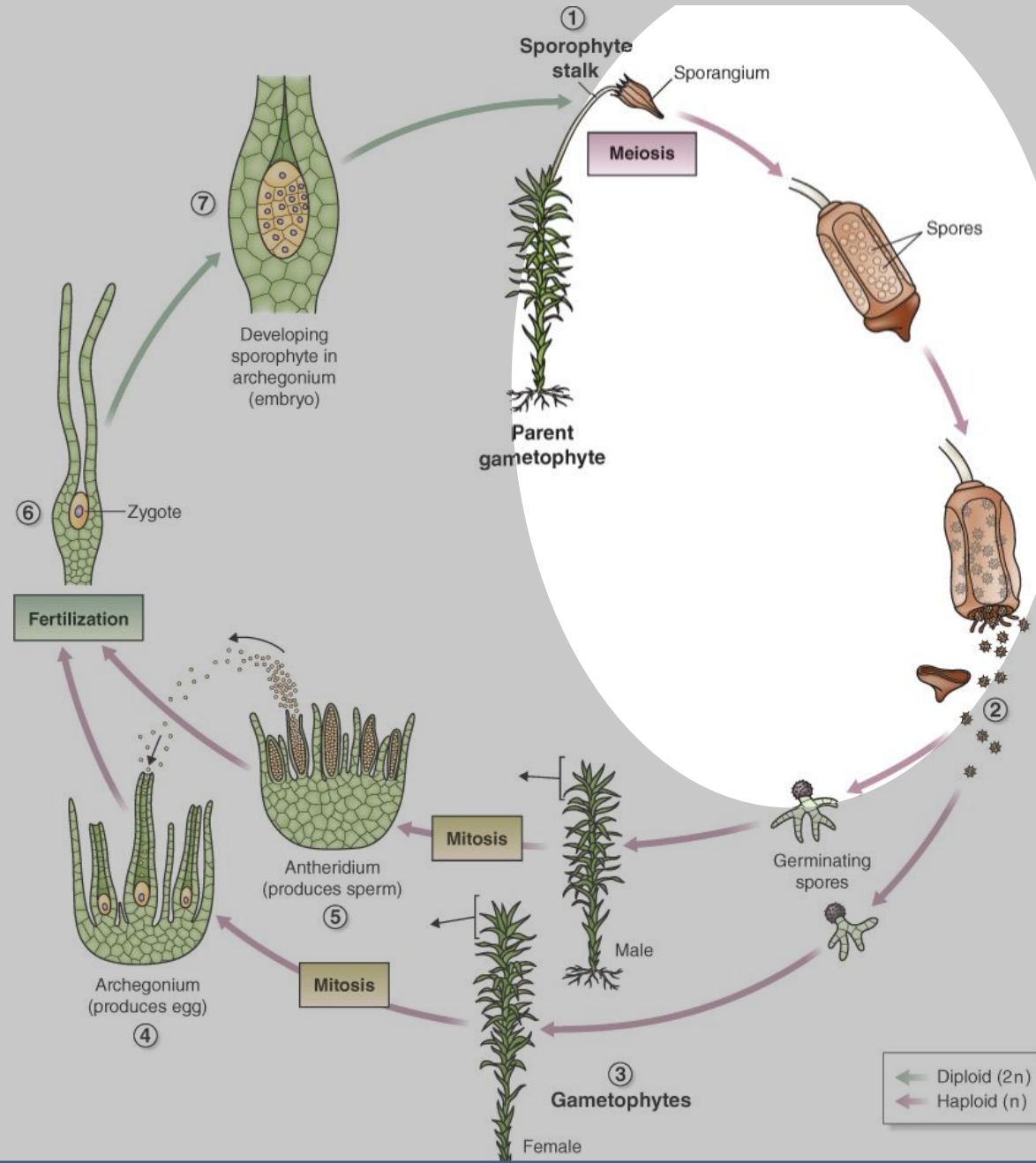
Bryophyta

Esporofito



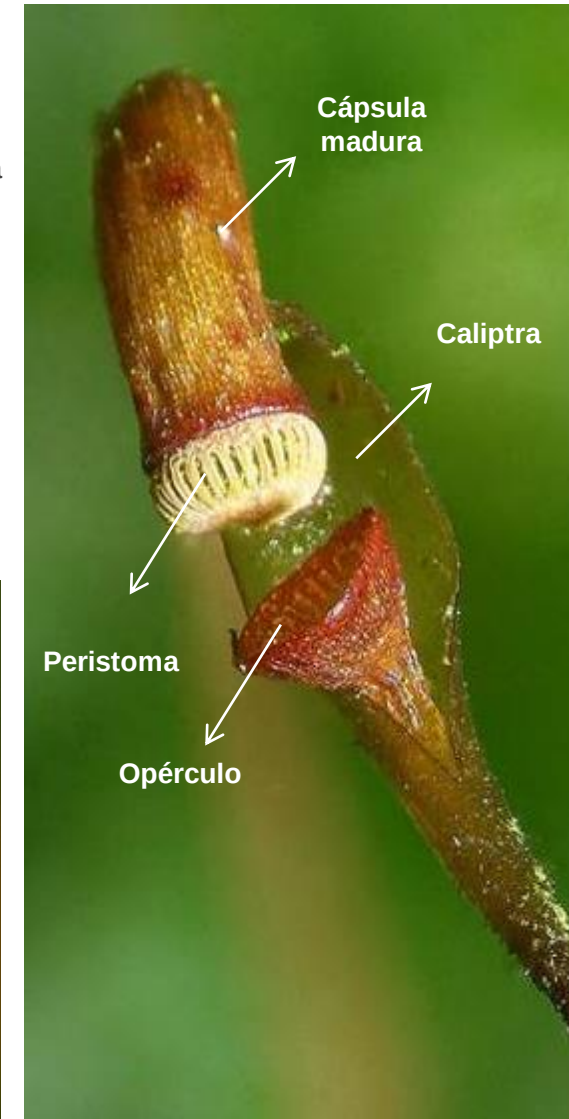
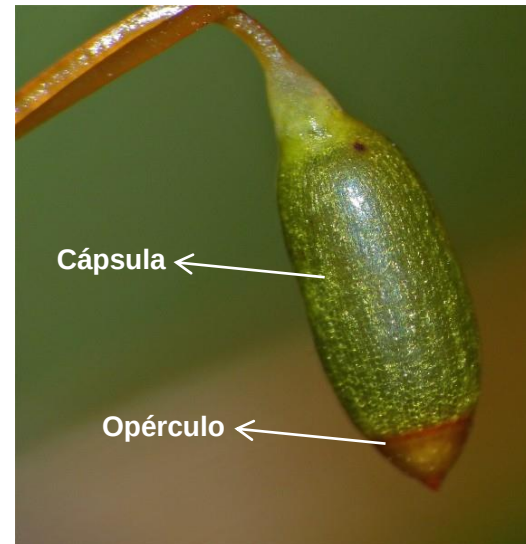
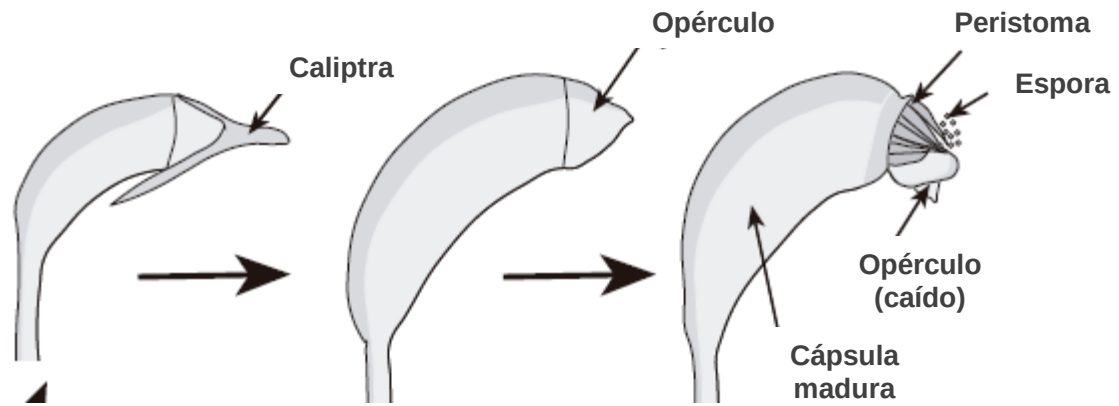
Bryophyta

Ciclo de vida



Bryophyta

Esporofito



Bryophyta

Esporofito





Marchantiophyta

Comúnmente llamadas
“hepáticas”
(ca. 7300 spp)

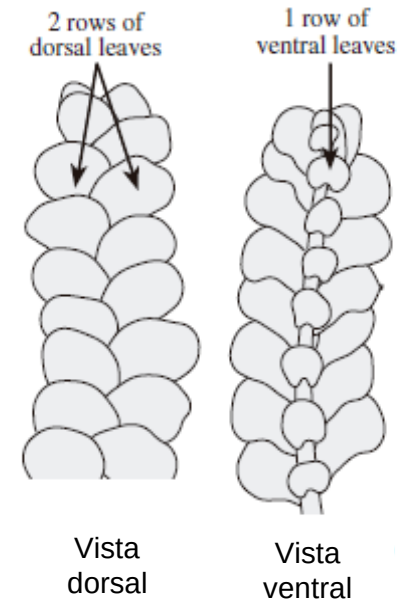
Marchantiophyta

gametofito

taloide

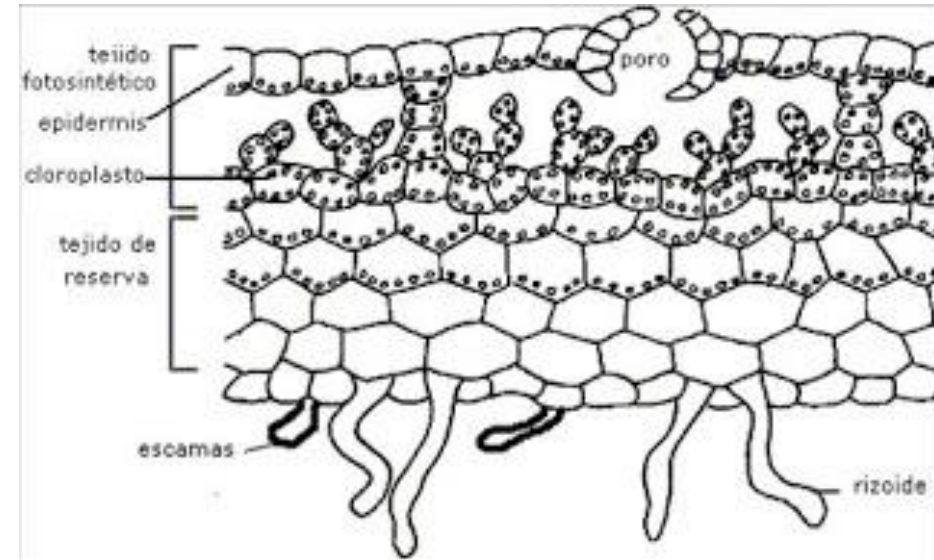
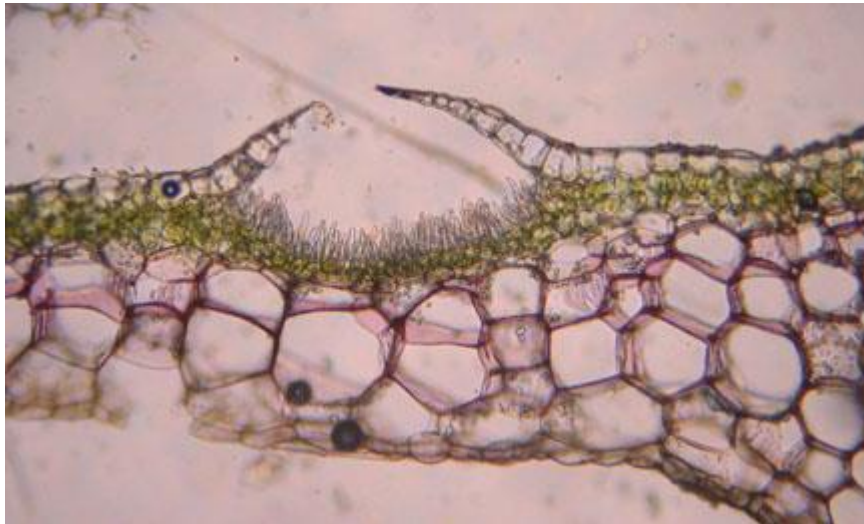


folioso



Marchantiophyta

gametofito



Marchantiophyta

Gametofito -Reproducción asexual



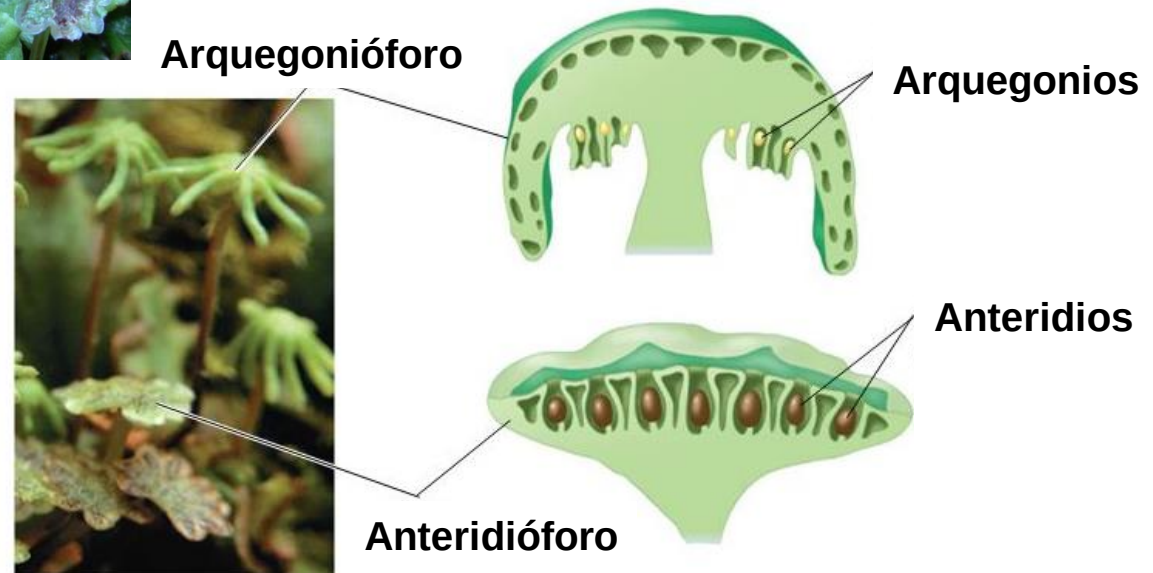
Marchantiophyta

Gametofito -Reproducción asexual



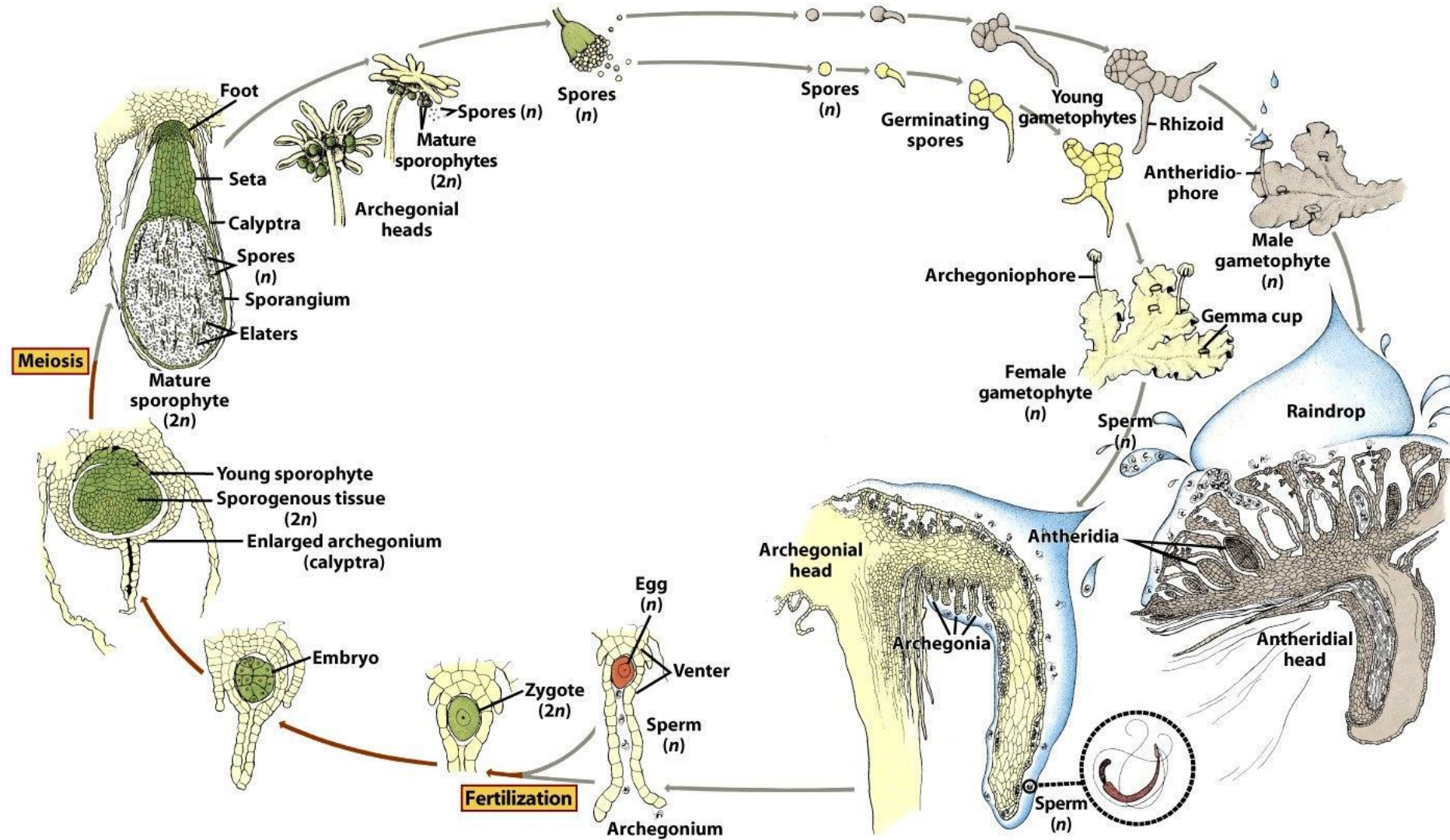
Marchantiophyta

Ciclo de vida - *Marchantia*



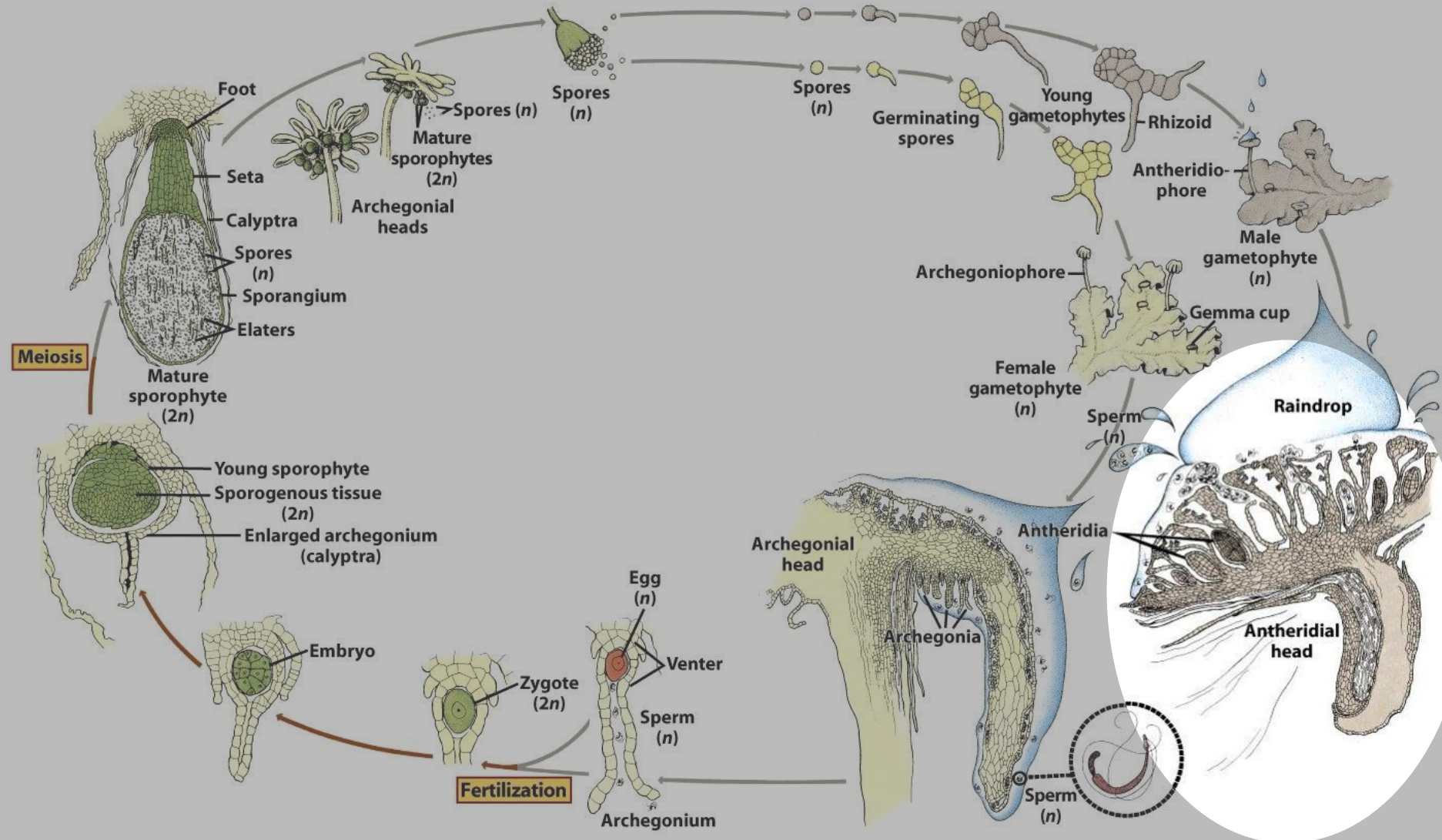
Marchantiophyta

Ciclo de vida - *Marchantia*



Marchantiophyta

Ciclo de vida - *Marchantia*



Marchantiophyta

Anteridióforo- *Marchantia*

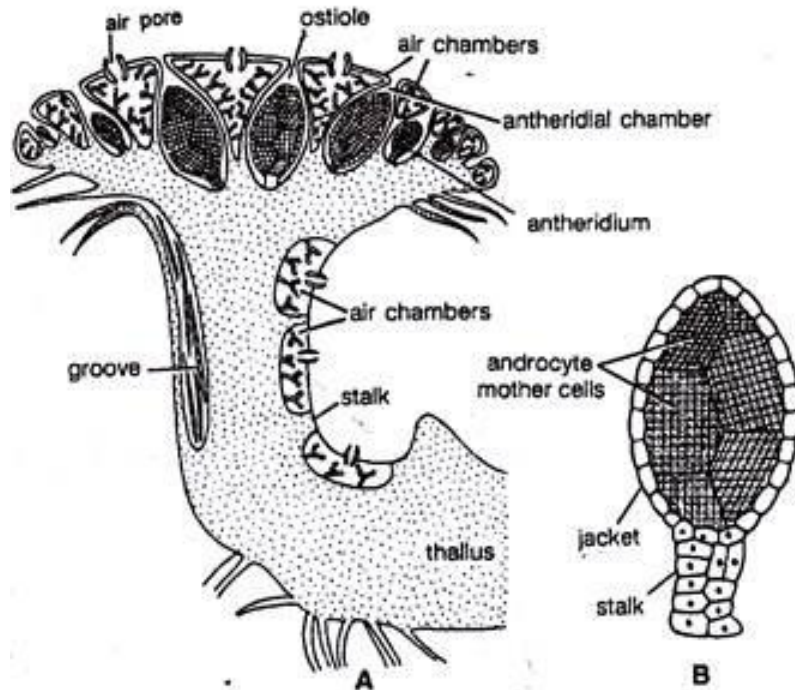
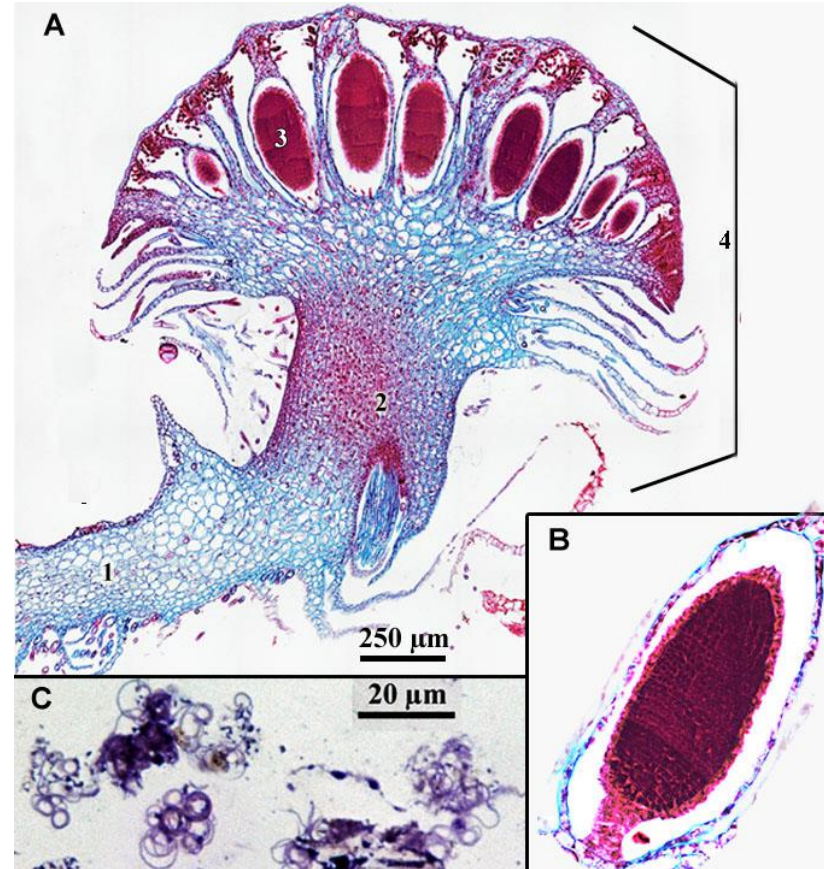
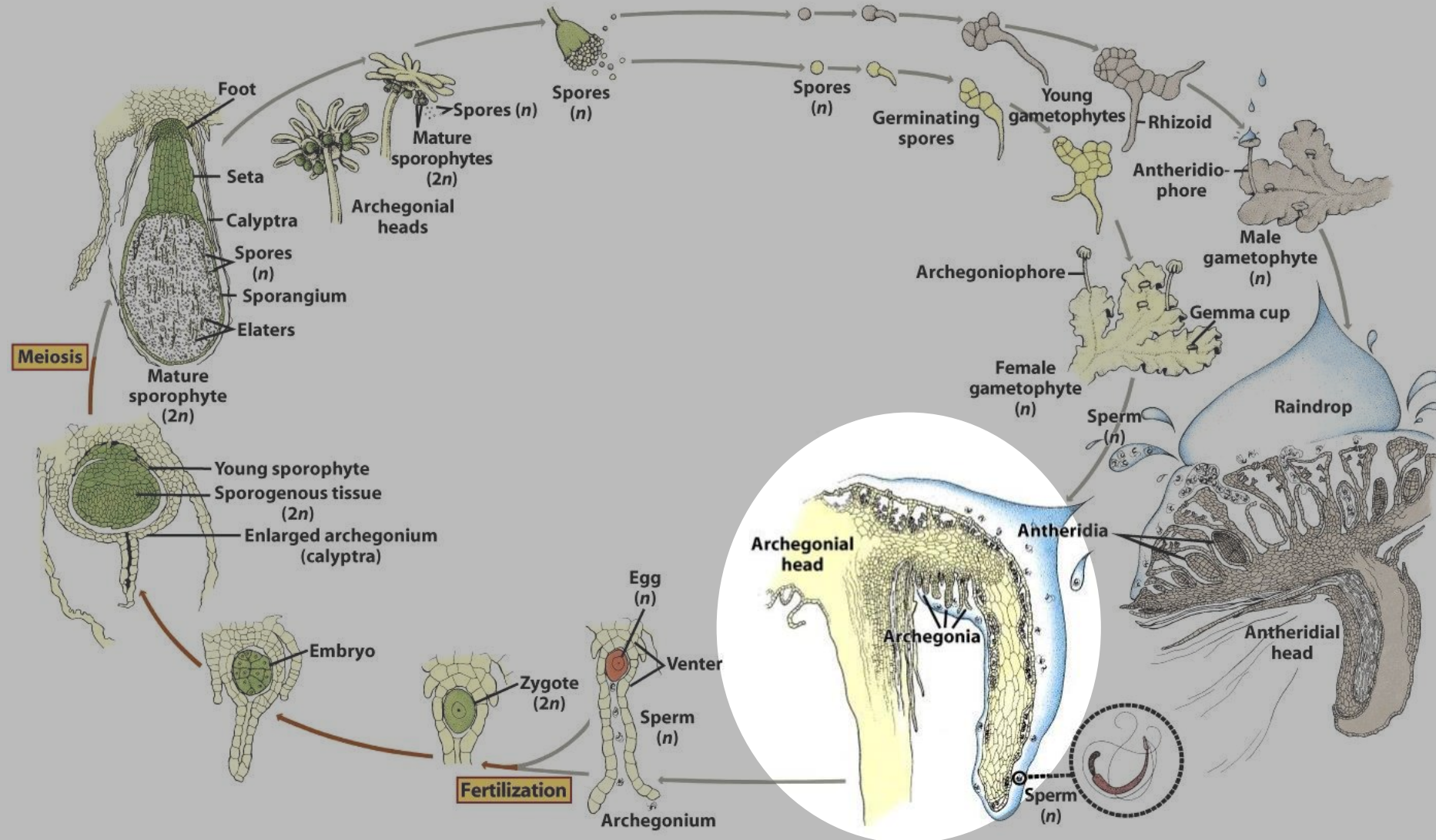


Fig. 6. (A-B). *Marchantia* Antheridia. (A) Vertical or longitudinal section passing through disc of antheridiophore, (B) a mature antheridium antheridium.



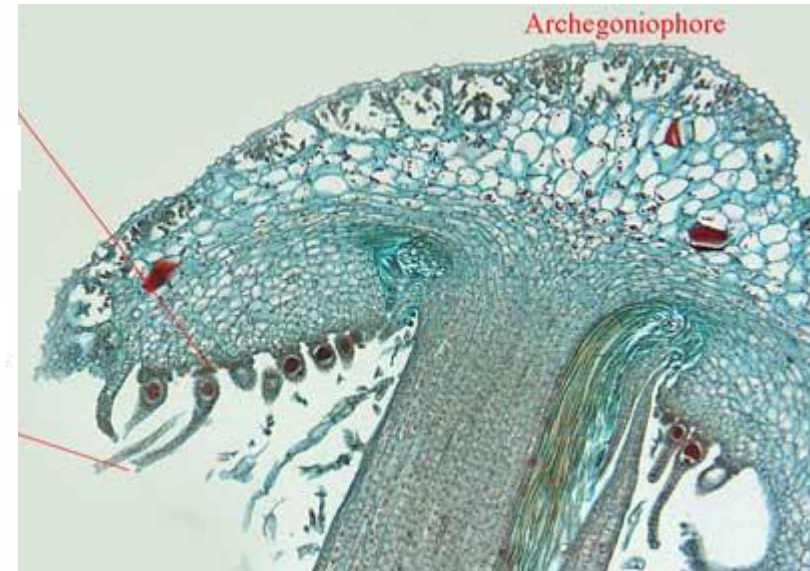
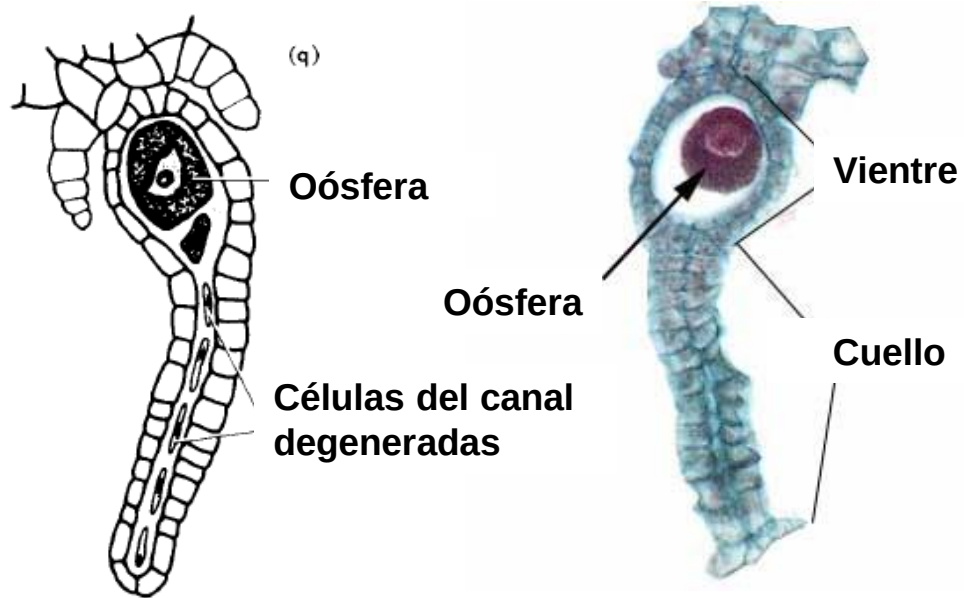
Marchantiophyta

Ciclo de vida - *Marchantia*



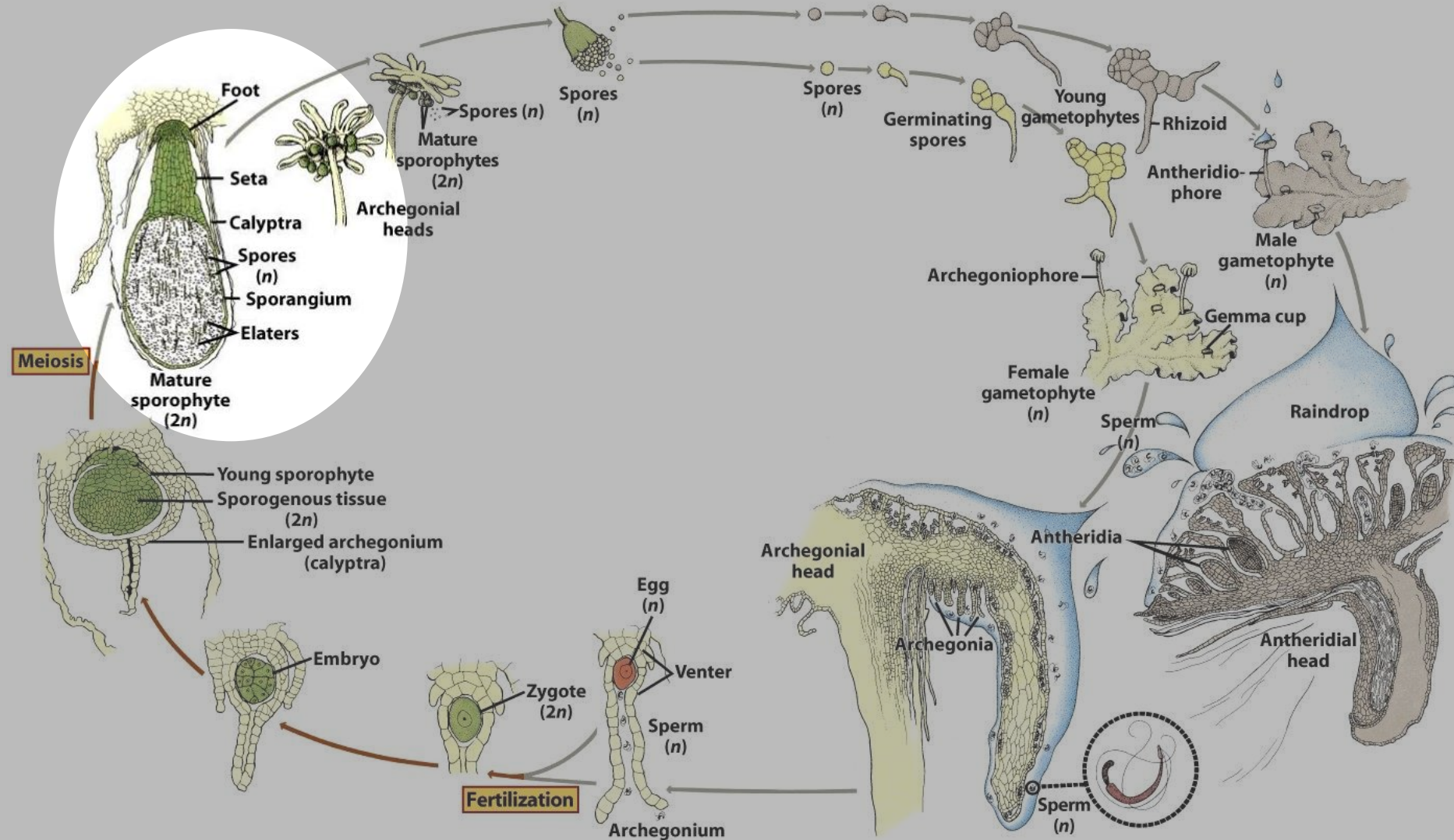
Marchantiophyta

Arquegonióforo- *Marchantia*



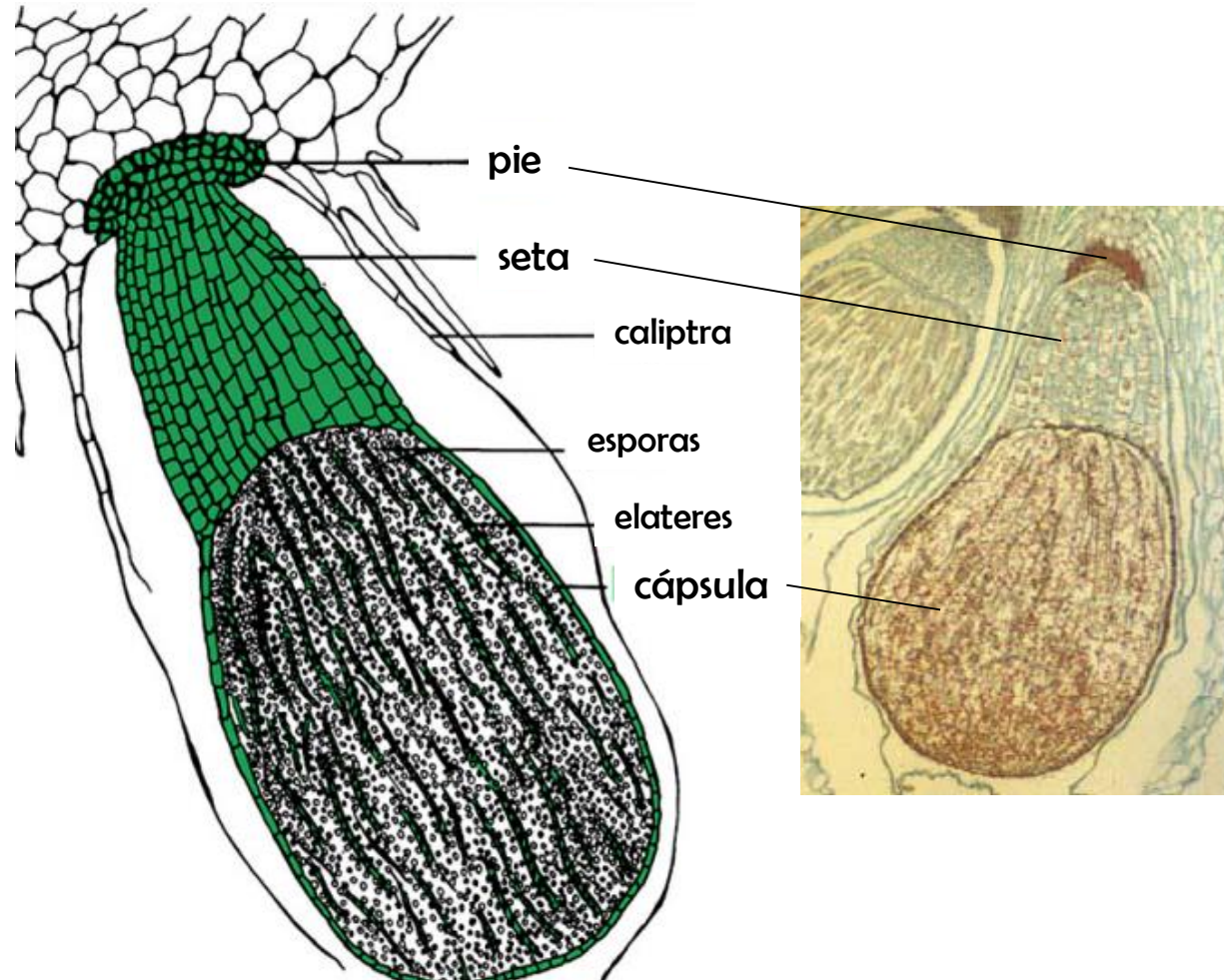
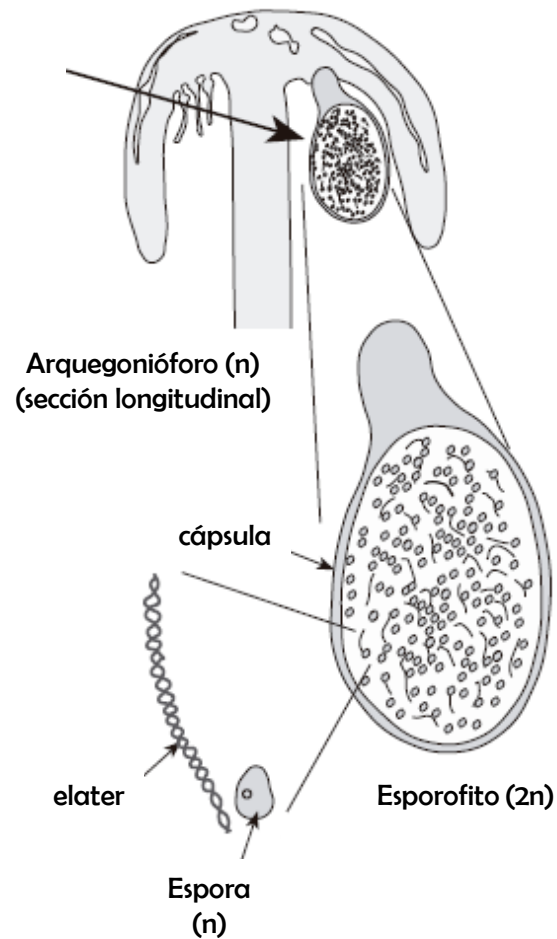
Marchantiophyta

Ciclo de vida - *Marchantia*



Marchantiophyta

Esporofito- *Marchantia*

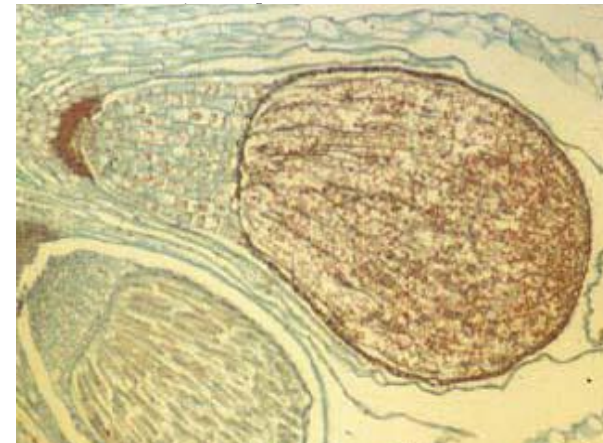


Marchantiophyta

Esporofito- *Marchantia*



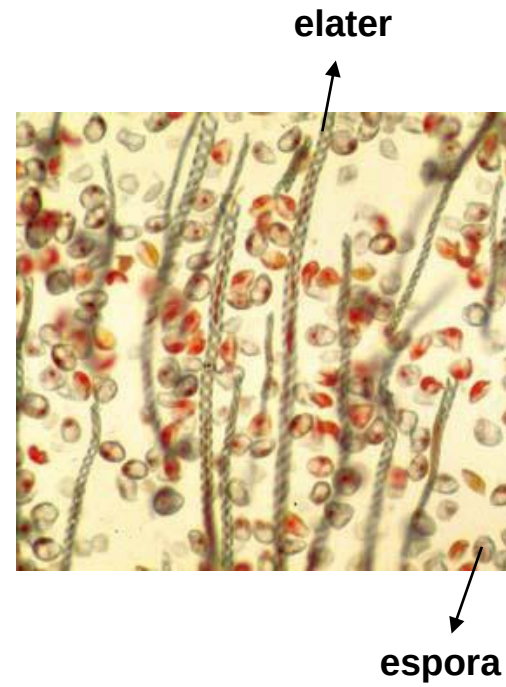
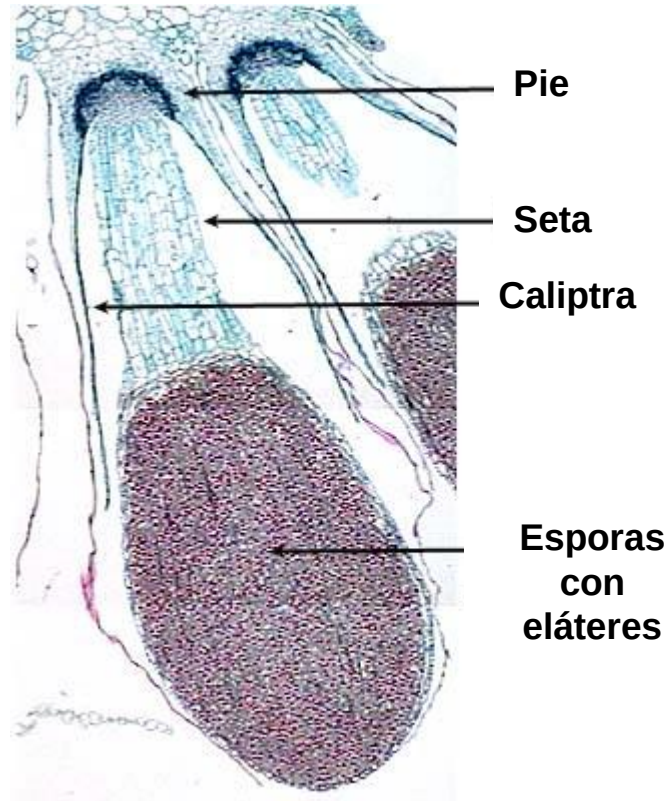
germinando



Marchantiophyta

Esporofito- *Marchantia*

Eláteres



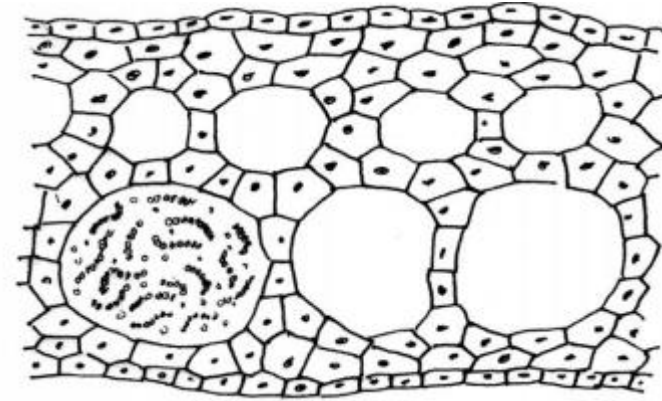


Anthoceroophyta

Comúnmente llamados
“antoceros”
(ca. 300 spp)

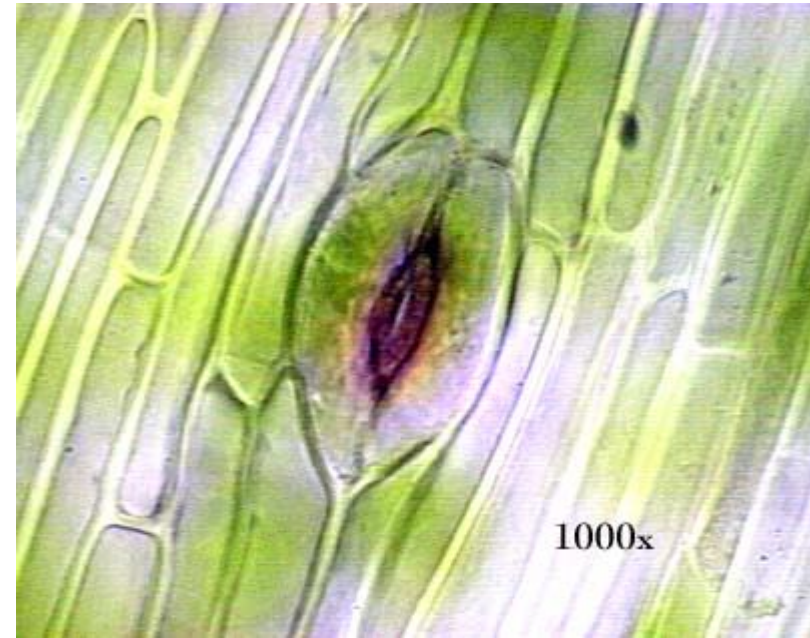
AnthoceroPHYta

Gametofito



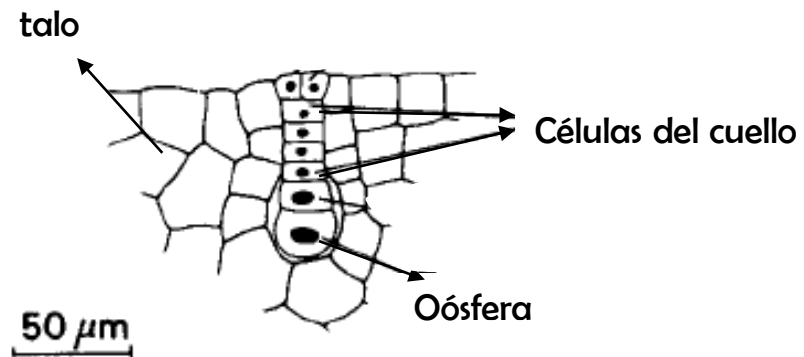
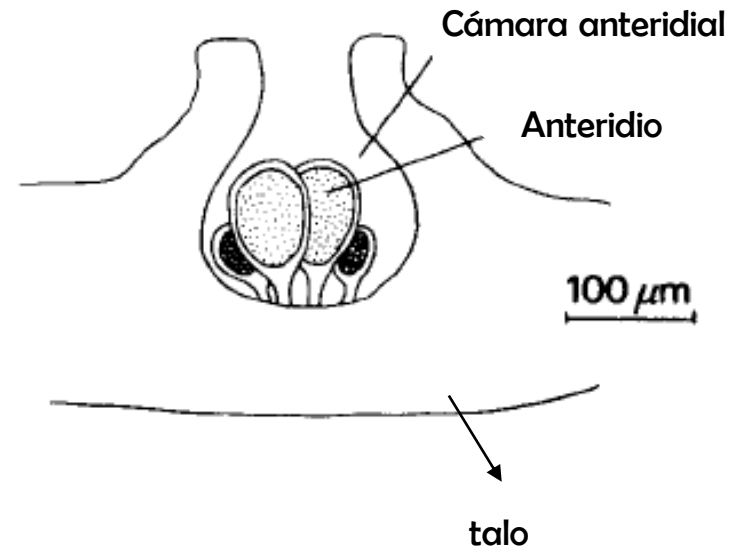
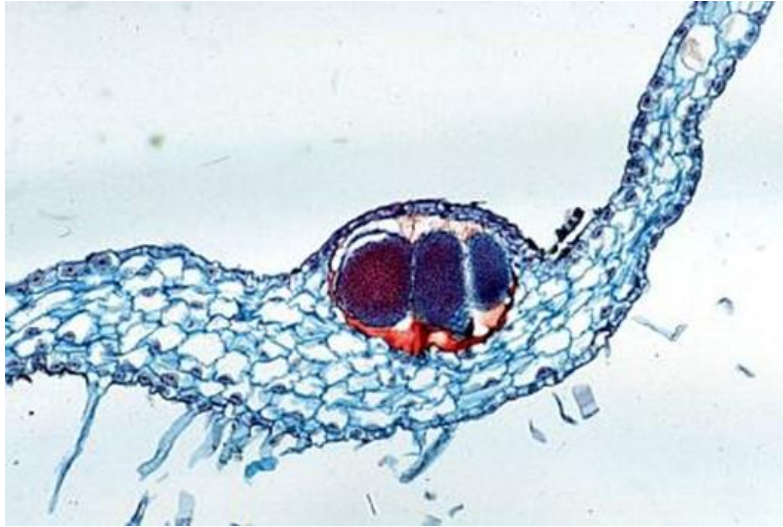
AnthoceroPHYta

Gametofito



AnthoceroPHYta

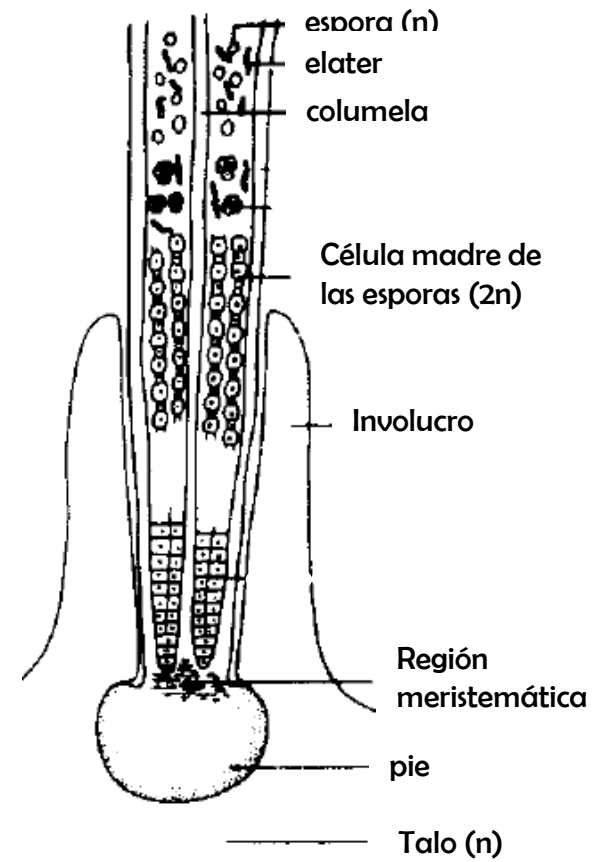
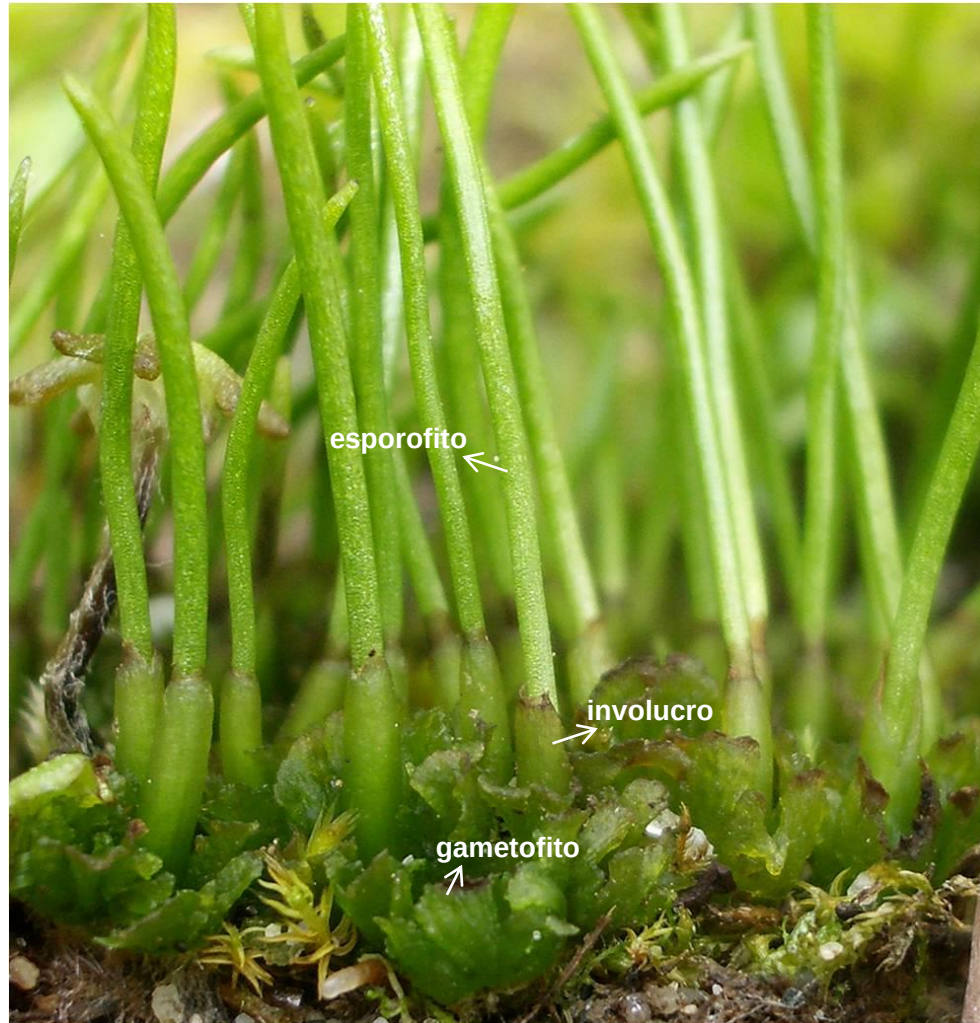
Gametofito – gametangios



Arquegonio

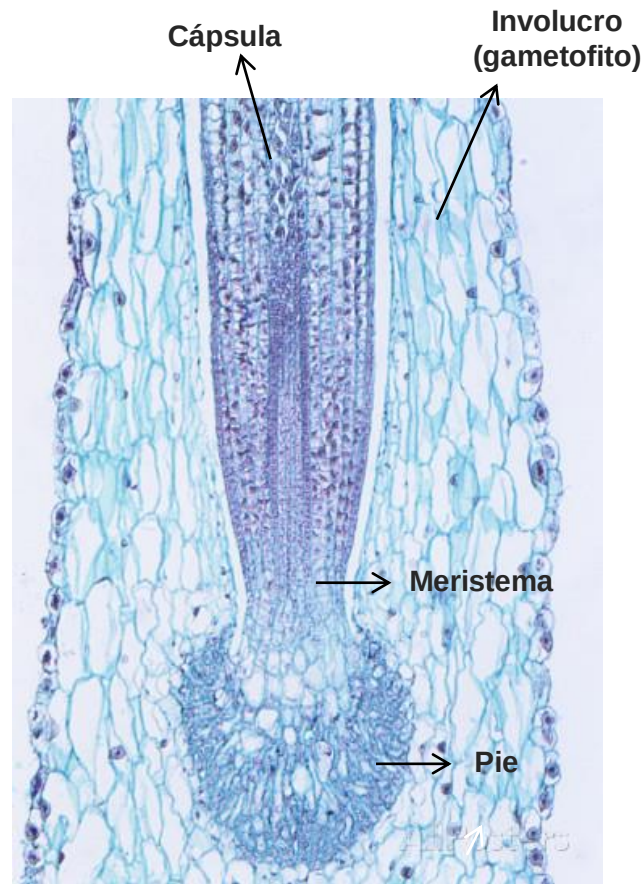
Anthocerophyta

Esporofito



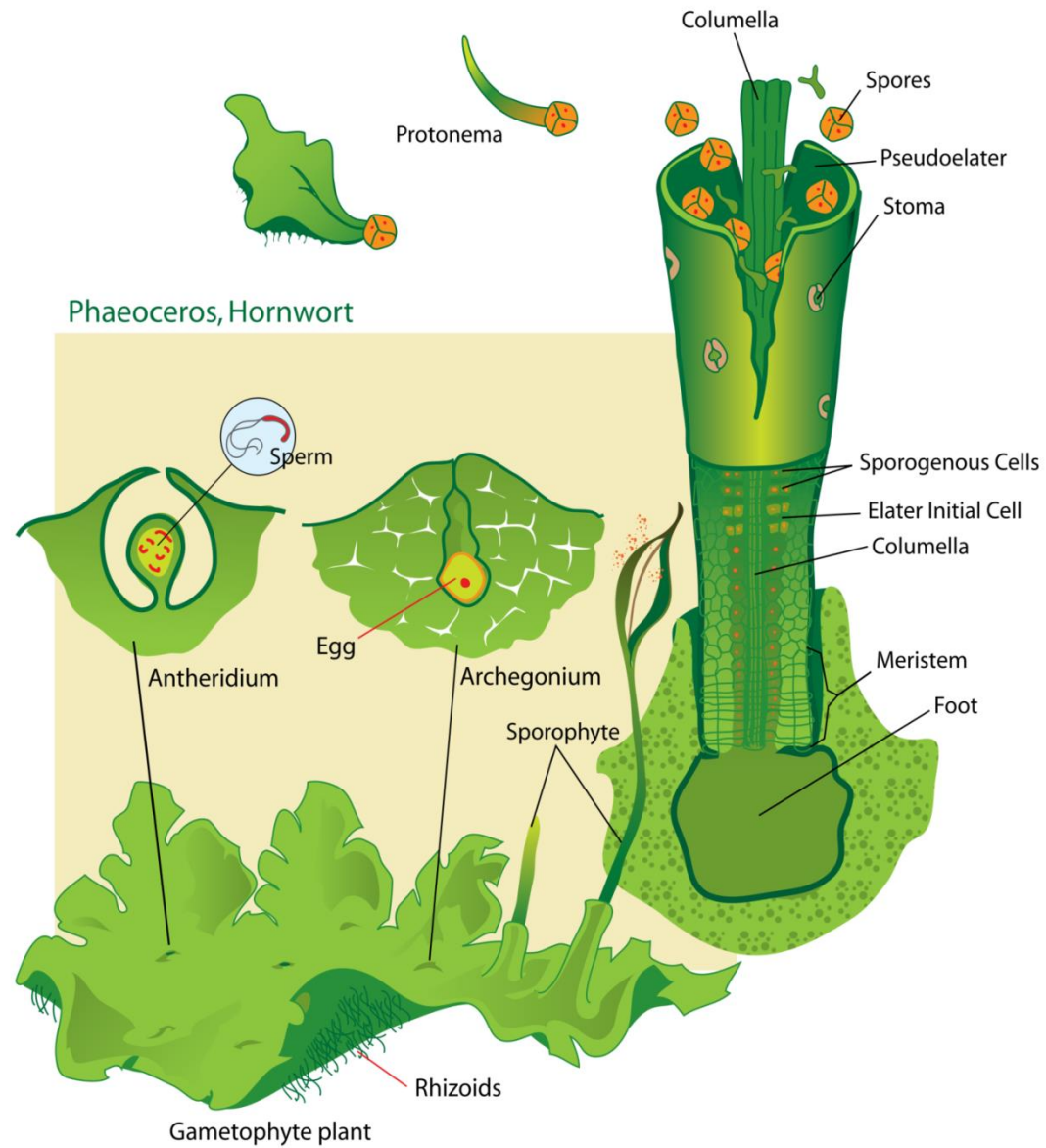
Anthoceroophyta

Esporofito



└──────────────────┘
Cápsula





Anthoceroophyta

Ciclo de vida

Briófitos

Tabla comparativa

	Antoceros	Hepáticas	Musgos
Gametofito	Taloide	Taloide o folioso	Folioso
Cloroplastos	Uno o pocos, con pirenoide	Numerosos, sin pirenoide	Numerosos, sin pirenoide
Rizoides	Lisos, unicelulares	Lisos o trabeculados, unicelulares	Lisos o papilosos, multicelulares, con paredes oblicuas
Seta	Ausente	Presente	Presente
Estomas	Presentes	Ausentes	Presentes
Columnela	Presente	Ausentes	Presente
Dehiscencia de la cápsula	Por valvas	Por valvas	Por un opérculo
El tejido esporógeno produce	Pseudoelaterios + esporas	Elaterios + esporas	Esporas
Peristoma	Ausente	Ausente	Presente
Caliptra	Ausente	En la base del esporofito	En el ápice del esporofito