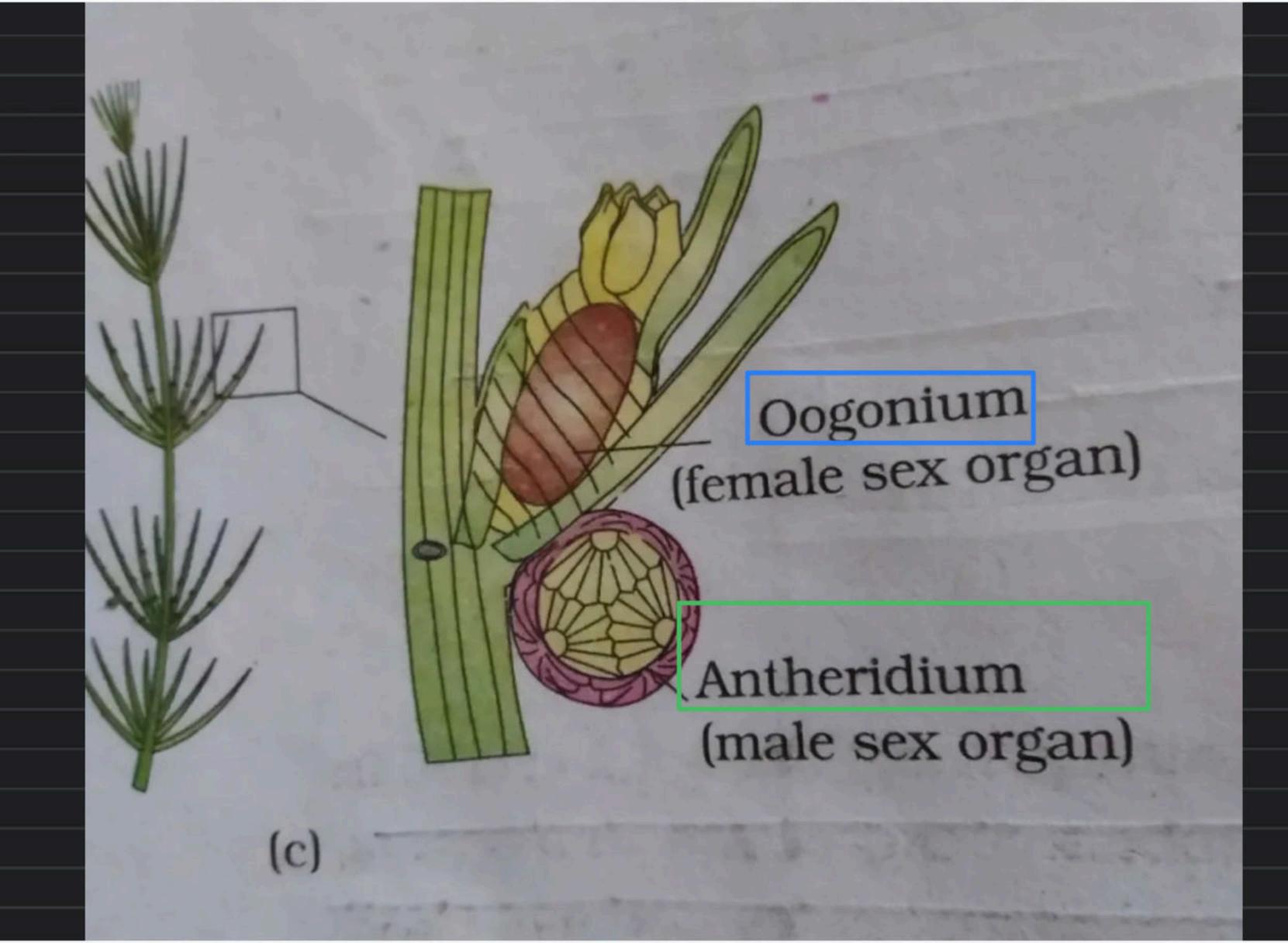


Nurture Course on Plant Kingdom



Bryophyte

"The Sporophyte of 170sses ismore Elaborated than the sporophyte of Liverwort"

Mosses - sponophyte - partially parasitic - peristome teeth. Economical Importance

- 1. Rhizoids form mat over soil & prevent soil
- 2 Decoction of polytrichum communal. Remove (ani61)

 Kidney Stone
- 3. Help in foll formation During succession

4. Sphagnum (Bog Moss) - Absorbent -- has capacity to Absorb 20-26 time water of their. Dry-weight * slightly acid. * Antiseptic property * Help in the transportation of plant part -* sphagnum grow in Marshy-dead part -fossilization dried, comprehed & wedas fuel Low grade coal (Peat) * Alkaline Soll — treated with Peat (MANURE) to
over come its alkanity &
Also improve - water Retaining
capacity, & Alaration

Note - calyptra - Layer - Haploid - surrounds the Tygote in Bryophyte

Pteridophytes:-

first successful terresterial plant - vascular tissues

present

* Snake/Reptiles of plant Kingdom

Gregorious
errouthely Reproduce
very factly

* preferred - sandy soil · cool.damp. shady places

General characterstic :-

1 Body is differentiate. Stem, Rout, Leaves

2 main Body is spoodbytic-photosynthetic Independent
3. Vascular Lissues -

Xylem Phloem

Absent - X vesseles Xylem parenchyma

Xylem fibres

siève tube cells Companion cells XABION

Phloem pavenchyma

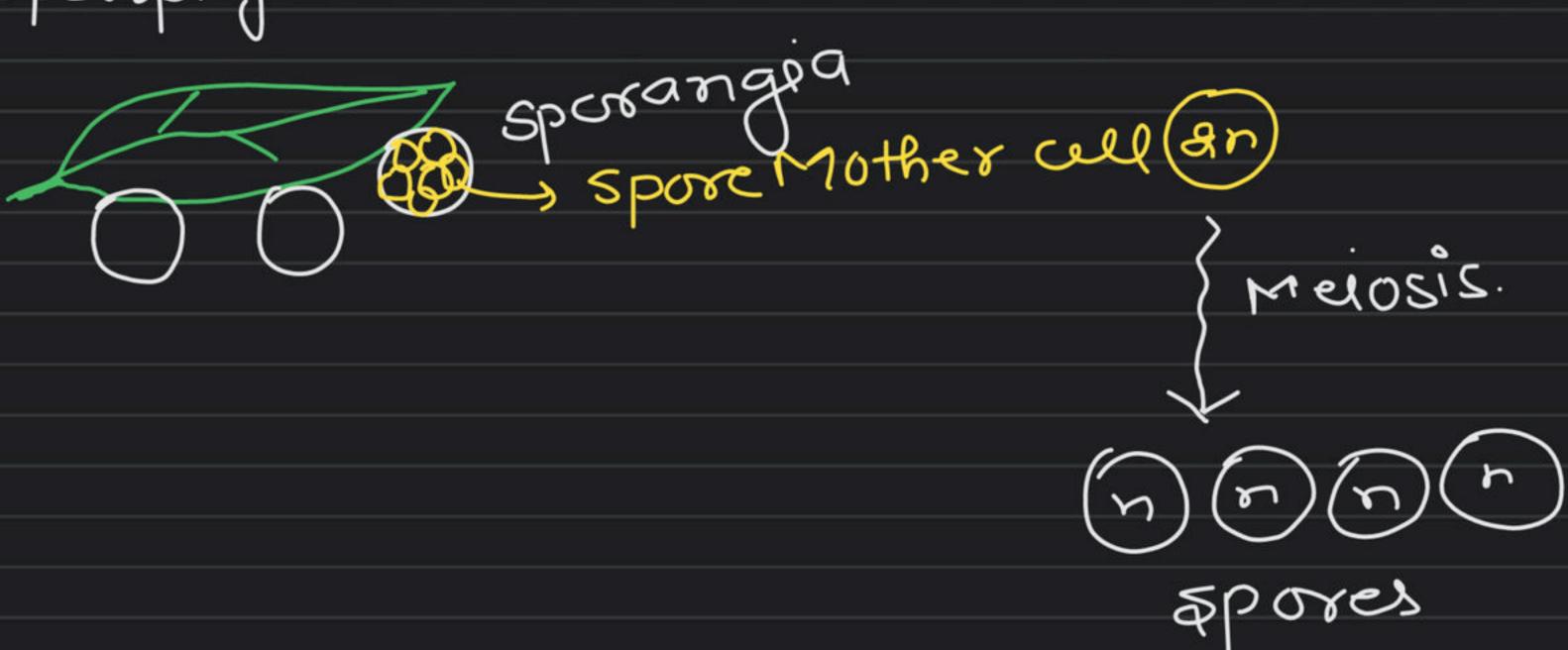
phloem fibres

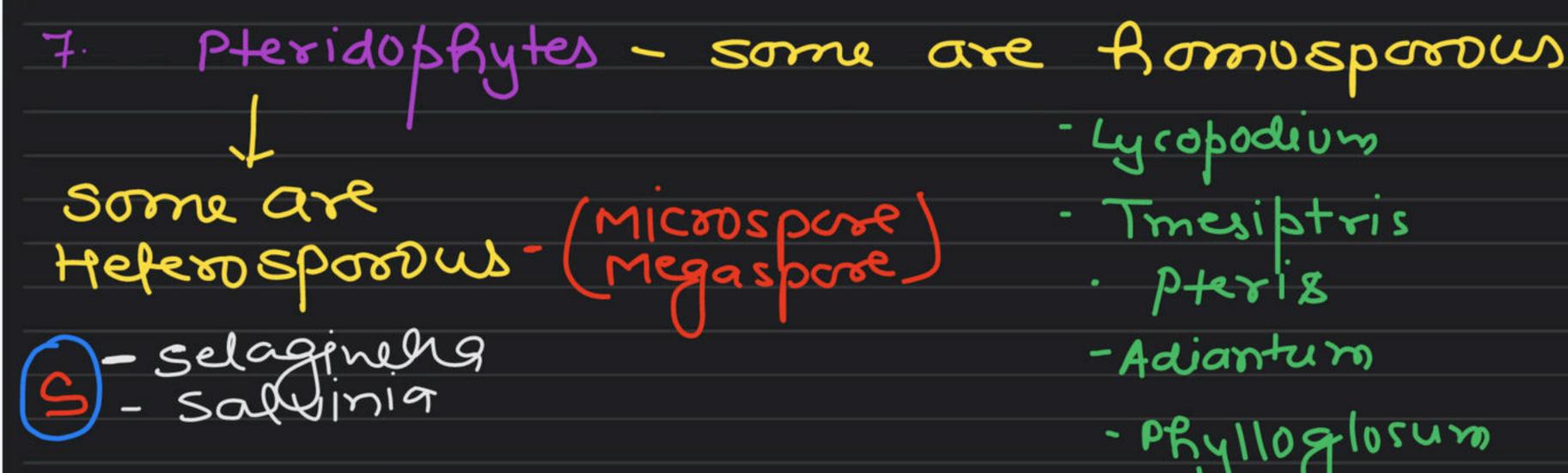
4. Leaves - Small size - Microphylls Eg Schaginella

Large size - Macrophylls - Eg fer n.8.

Abaxial surface Sporangia SORI SORUS

6. Sporophy 11





(A) - AZOLLA

-Adjantum - Phylloglosum I)- I soetous - Psilotum - Dryopteris Marsilea

· Pteris

In some pteridophytes. Selaginella. Equisetum (40rse tail fern)