

Nurture Course on Plant Kingdom

spore Muther cellan Mejosis Produce - same type of spoke Homospoonus seta suitable medium Germinate Indirect Germination

spood * Dishoid. * débendend on gametophyte for * non- photosynthetic * produce spore

* It produce spore by preforming Sporic Meiosis spore germination

Direct- Germination
Liverworts

Spore- germinate

GametopRyte

Indirect germination
17055es.

Spore germination

Juvenile - PROTONEMA Stage - Low.

Gramety-Ryte

Vegetative Repr — fragmentation. Budding Grammal

Bryophytes

3-classes

1. Hebatocopsid9 - member - Liverword

2. Anthoceropsida. Hornwort

3. Bryobsida Musci - Mosses

class- Hepatocopsida - Liverwort

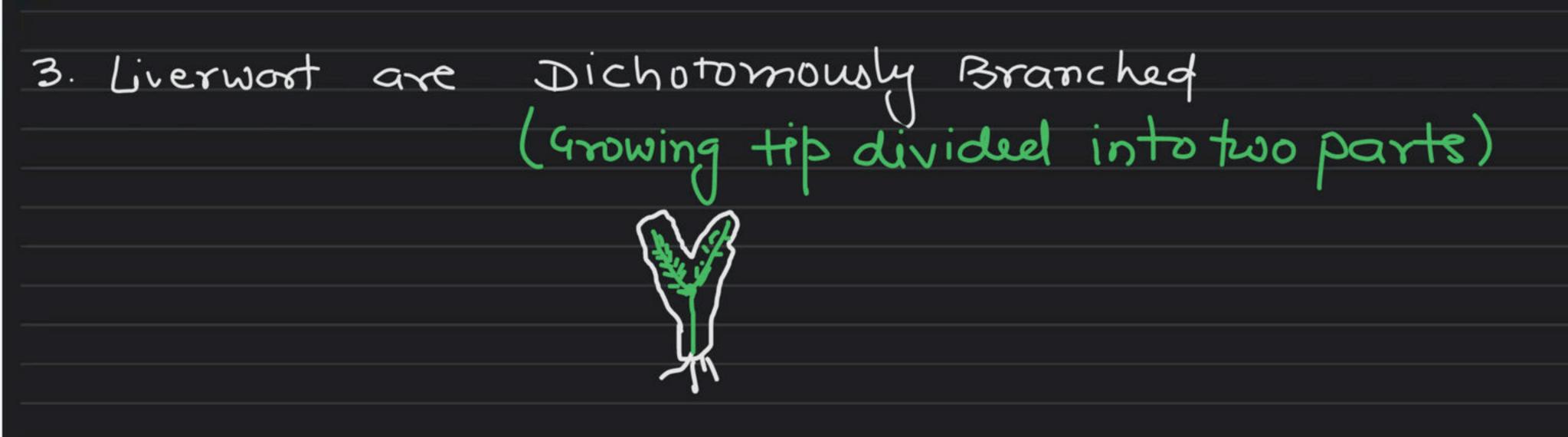
- 1. Moist, shady, deep inside wood damp soil.

 2. Member : Thalloid Marchantia

 closely Appressed to substrate, Dossiventrally



(stem) Leaf Like Appendage - Eg Porella arrange a Spirally on oxis



4. Asexual Reproduction - fragmentation

E also by Grammae

Green, Multicellular

Bud (Immature Shoot)

Attacked - 2 thallis

- 5. Rhizoids : Unicelleular, unbranched
- 6. Both Sex-organ on same thalli- Riccia (Monoecious)

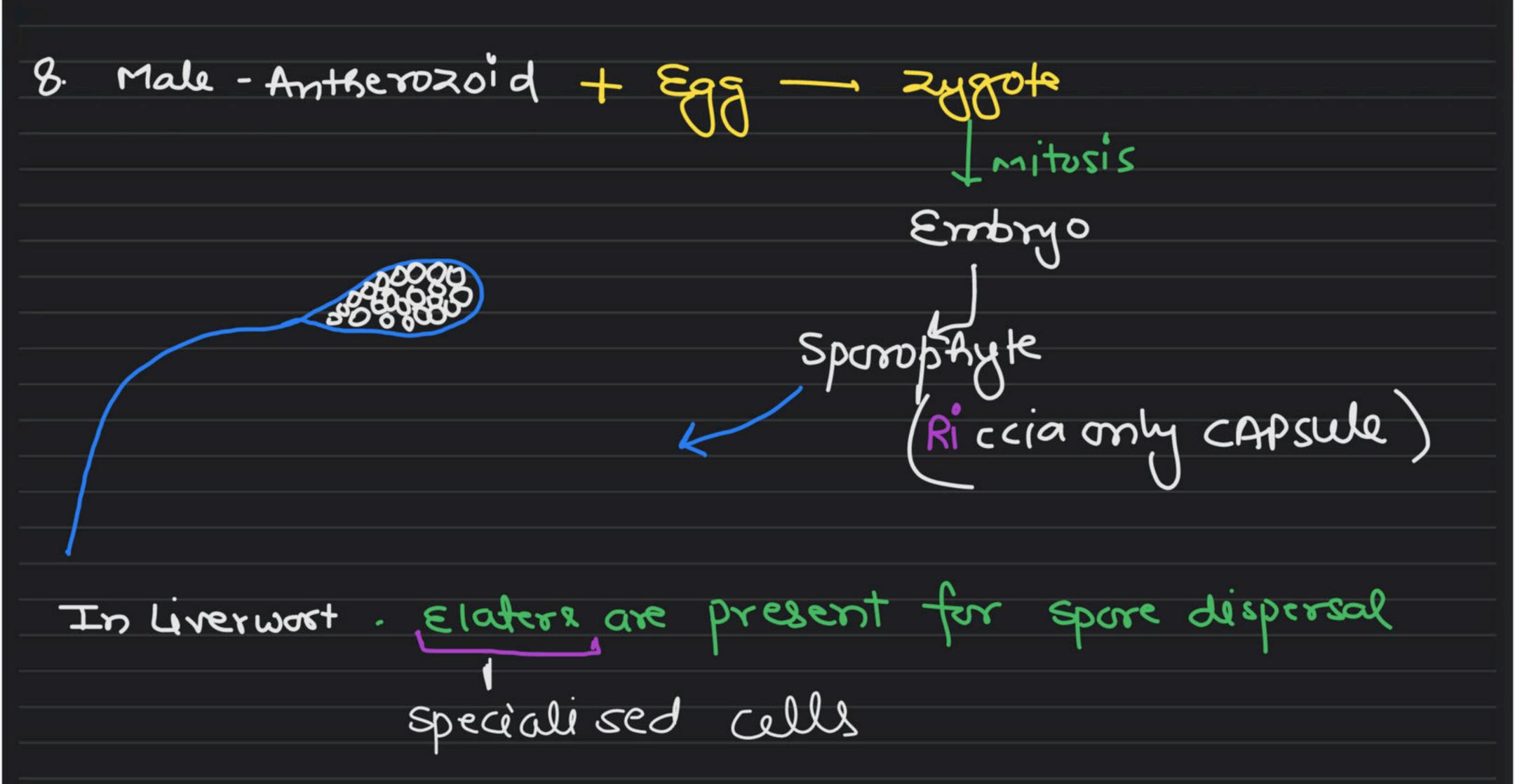
diff thalli - Marchantéa (Divectous)

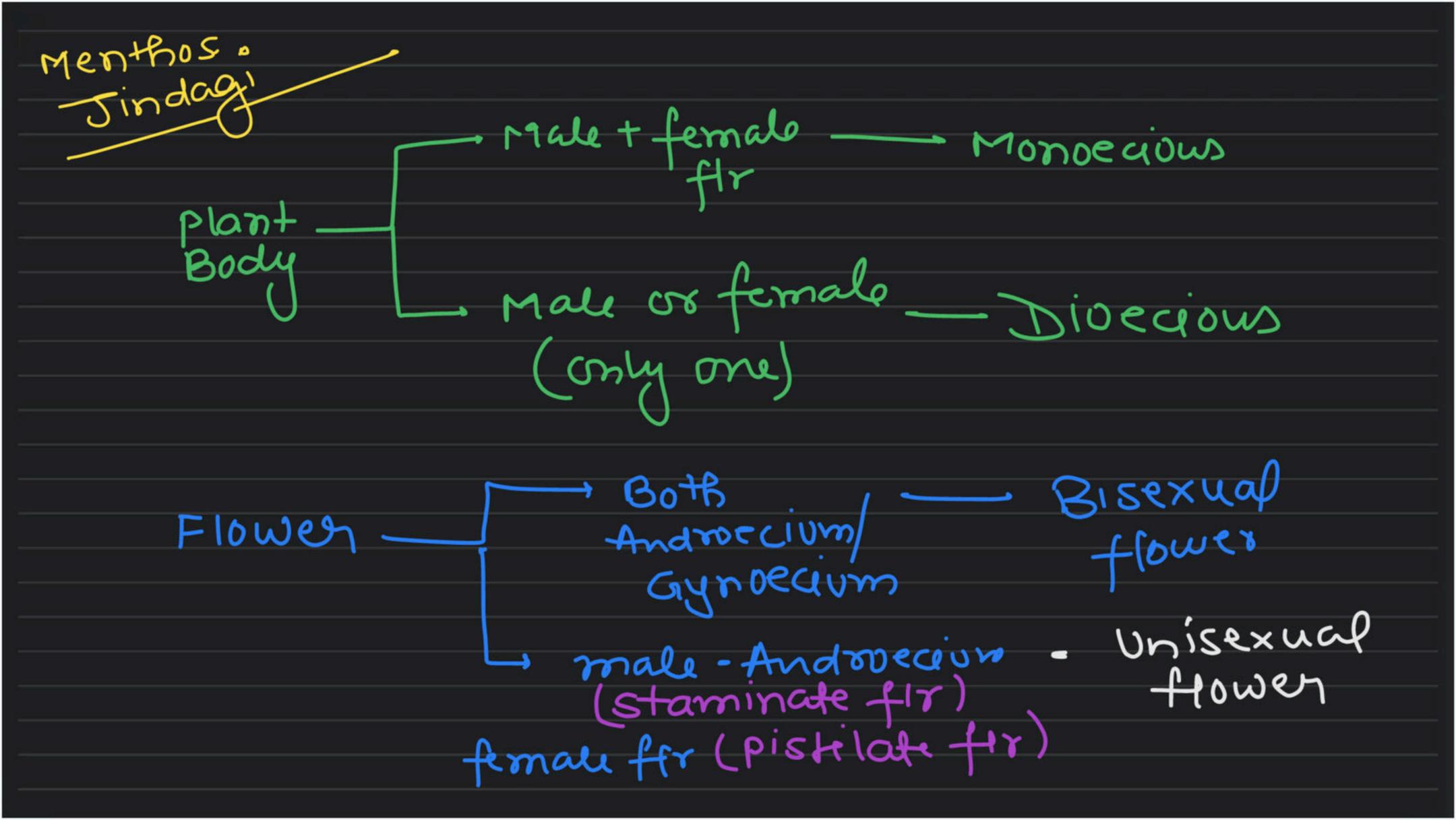
7. Sex-organs are present over a stalk

Anthridia

Anthridiaphore

Anthridiaphore





carsule Elaters.

class- Bryopsida - Mosses.

1. Grametophyte - dominant 1. Leaf Gametophyte a Protonema

a sex-organs present on Leafy gametophyte 3. Rhizoids - Mulficellular Branched

Antherozoid, zygote mitoss anacacaca - Greensynthetic Liverwort - sporophyte - fully-parasite

Mosses - sporophyte - semi - parasite

* spore dispersal - specialised - Peristonne teeth.

-Meiosis-SPORE Germination Indirect deaty Primary Gametophyte Cametophyte grow as lateral Bud * filamentous x multicellular, Branched * Green. Photosynthetic * creeping Reproduced by Buddung

Mosses Eg monaria, Polytrichum, sphag num.