



Plant Kingdom - V

Nurture Course on Plant Kingdom

“Be stronger than excuses”



Sandeep Nodiyal (Botany)

Ex Aakash institute, Ex Career point, Ex VMC institute

Experience of 8+ years

“Motivate thousands of students to achieve their dream medical college....”

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to course and classes Join :-**

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HINDI CELL STRUCTURE & FUNC...

THE CELL (IN DETAILS)L-4 WITH
QUESTION PRACTICE . NEET...

Ended on May 9, 2020

Sandeep Nodiyal



HINDI PLANT PHYSIOLOGY

MOCK TEST COMPLETE
BOTANY(CLASS 11 & 12TH) NEET...

Ended on May 8, 2020

Sandeep Nodiyal



HINDI CELL STRUCTURE & FUNC...

THE CELL (IN DETAILS)L-3 WITH
QUESTION PRACTICE . NEET...

Ended on May 8, 2020

Sandeep Nodiyal



HINDI CELL STRUCTURE & FUNC...

THE CELL (IN DETAIL)L-2 NEET
2020/2021

Ended on May 7, 2020

Sandeep Nodiyal



HINDI CELL STRUCTURE & FUNC...

THE CELL(IN DETAIL) NEET
2021/2022

Ended on May 6, 2020

Sandeep Nodiyal



HINDI PLANT PHYSIOLOGY

AMBITIOUS MOCK TEST PRACTICE
FULL SYLLABUS NEET 2020

Ended on May 5, 2020

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PLUS NEET UG Subscription

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**USE PROMO CODE
TO GET 10%OFF**

SNSIR OR SNSIRLIVE

Botany topics of class 11th

- ☐ Living World
- ☐ Biological classification
- ☐ Plant kingdom
- ☐ Morphology of plants
- ☐ Anatomy of plants
- ☐ Cell
- ☐ Cell cycle
- ☐ Transportation in plants
- ☐ Mineral nutrition
- ☐ Photosynthesis
- ☐ Respiration in plants
- ☐ Plant growth & Development
- ☐ Biomolecules

Botany topics of class 12th

- ☐ Reproduction in organism
- ☐ Sexual reproduction in flowering plants
- ☐ Genetics and variations
- ☐ Molecular basis of inheritance
- ☐ Microbes in human welfare
- ☐ Strategies in food enhancement (Plants part)
- ☐ Organism and populations
- ☐ Ecosystem
- ☐ Biodiversity & its conservations
- ☐ Environmental issues
- ☐ Biotechnology & its principle

Enthuse (12) - Evening (NEET 2022)
Main batch

Starting 3 Sept Aug to 30 Sept
MWF @ 7:15 PM

Topic :-Molecular Basis Of inheritance
Part 2

Use referral code “SNSIR”

Enthuse (12) - Backlog Bridge course (NEET 2022)

MWF@12 PM

Starting - 3 sept to 29 sept

Topic :-Sexual reproduction in Flowering
plants- part 2

Use referral code “SNSIR”

11th class Nurture (NEET 2023)

TTS @ 6:15 PM

Started on:- 4 Sept to 30 Sept 2021

Topic:- Plant Kingdom

Use referral code “SNSIR”

11th class Nurture Bridge course (NEET 2023)

MWF @ 10 AM

Started on:- 3 Sept to 29 Sept 2021

Topic:- Protista (Backlog)

Use referral code “SNSIR”

Dropper Achievers batch (NEET 2022)

TTS@ 10:00 AM

Started on:- 11 Sept to 30 Sept

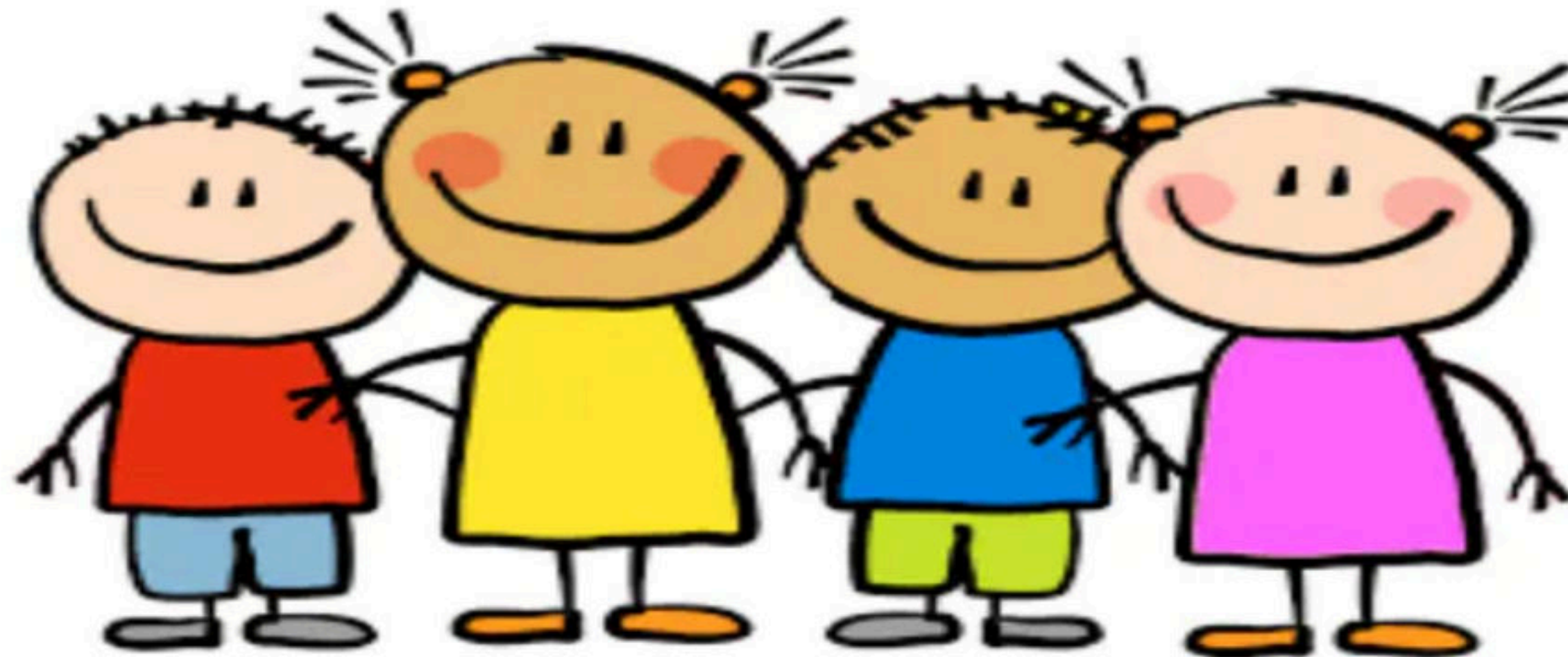
Topic :- Genetics and Variations part 2

Use referral code “SNSIR”

“ASK YOUR DOUBTS”

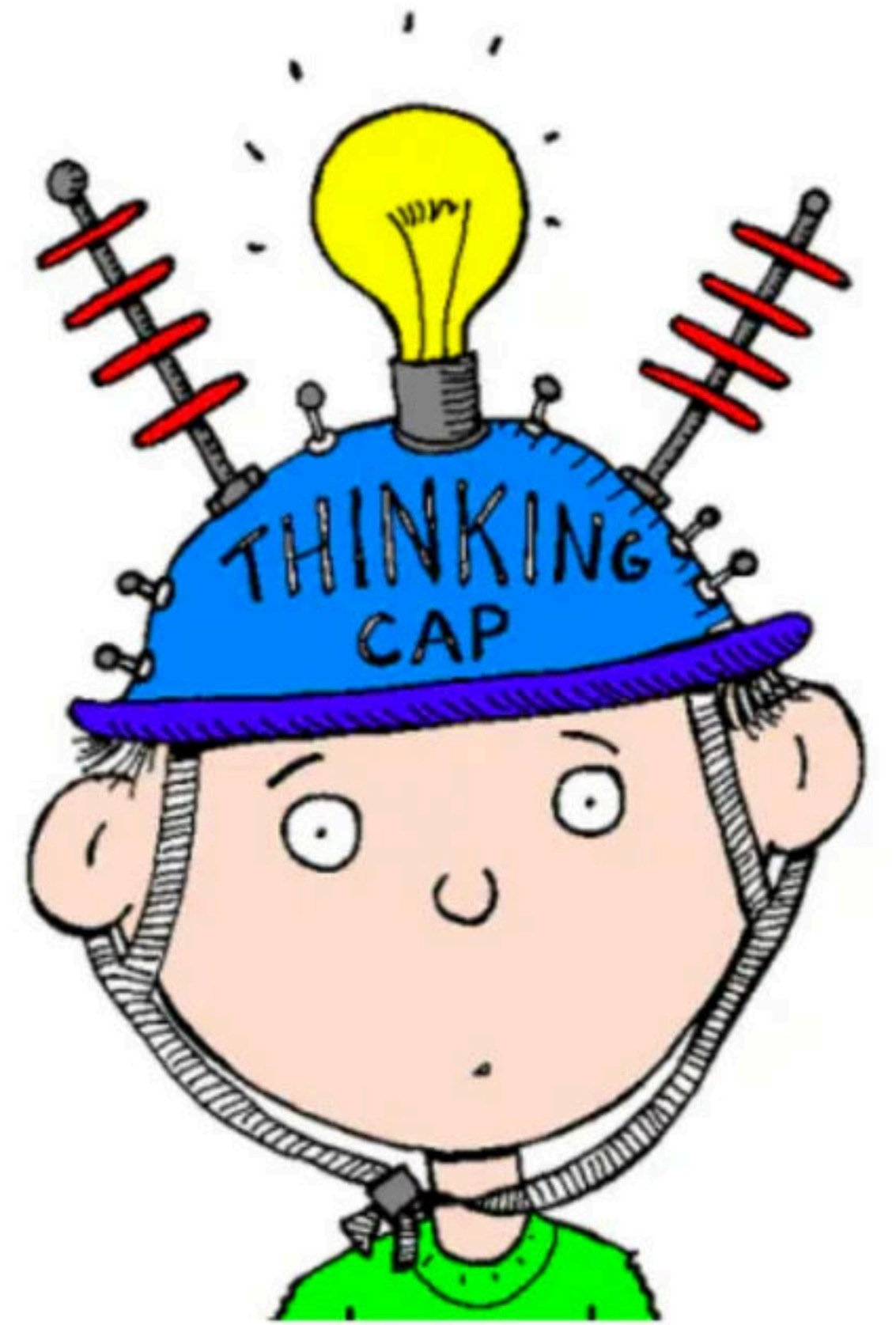
ON Doubt session IN BETWEEN COURSES

ASK ME ANYTHING OF ANY TOPIC **IN SPECIAL CLASS SESSIONS** NAMED AS **“ASK YOUR DOUBTS”** REGARDING UNACADEMY, REVISION, HOW TO STUDY ANYTHING



सोचने का काम कम कर पढ़ाई
ज्यादा कर!!!

❖ Notes, DPP, ncert underlines are provided by
me Only when the chapter completed In
update section



Steps to be Followed If You want to study in my guidance 😊

- 1. Complete focus on your lectures**
- 2. Ask your doubts in doubt sessions Only**
- 3. Learn class notes Properly**
- 4. Learn underline portion of ncert provided by me**
- 5. Do DPP**
- 6. Faithfully give the test taken by me**
- 7. Give any test Of any educator or practice any MCQ book. (Quality check)**





Bryophytes :-

- * first terrestrial plant.
- * Vascular tissues Absent (non vascular plants)
(xylem & Phloem)
- * Growing in damp, humid, shaded location
seldom attained height (sciophytes)
- * Body more differentiated than Algae
Stem like, Leaf like, Root like
(Rhizoids)
- * They Required water for fertilization that why
they are known as Amphibians of Plant Kingdom.

DIPLOID ($2n$)

The condition in which chromosomes are present in pair.

Human - 46 or 23 pair - Diploid

23.

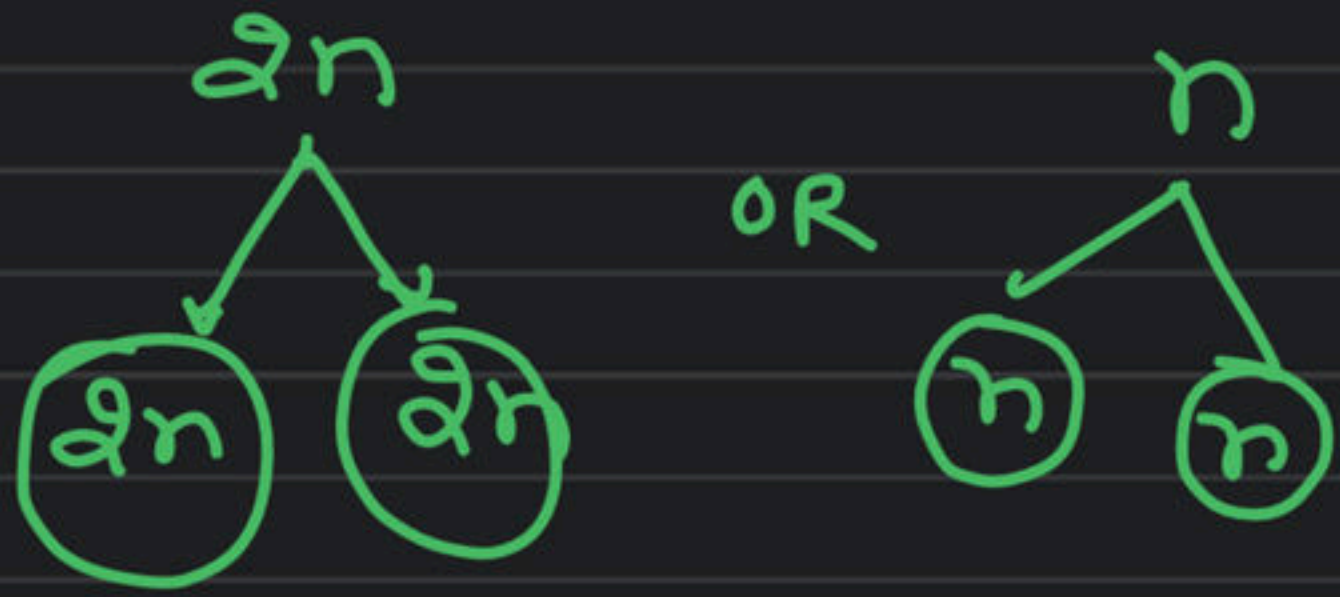
- HAPLOID (gamete)

Drosophila : 8 chromosomes - $2n$
or
fruit fly 4 - n

Bacteria = 1 chromosome - HAPLOID

cell-division

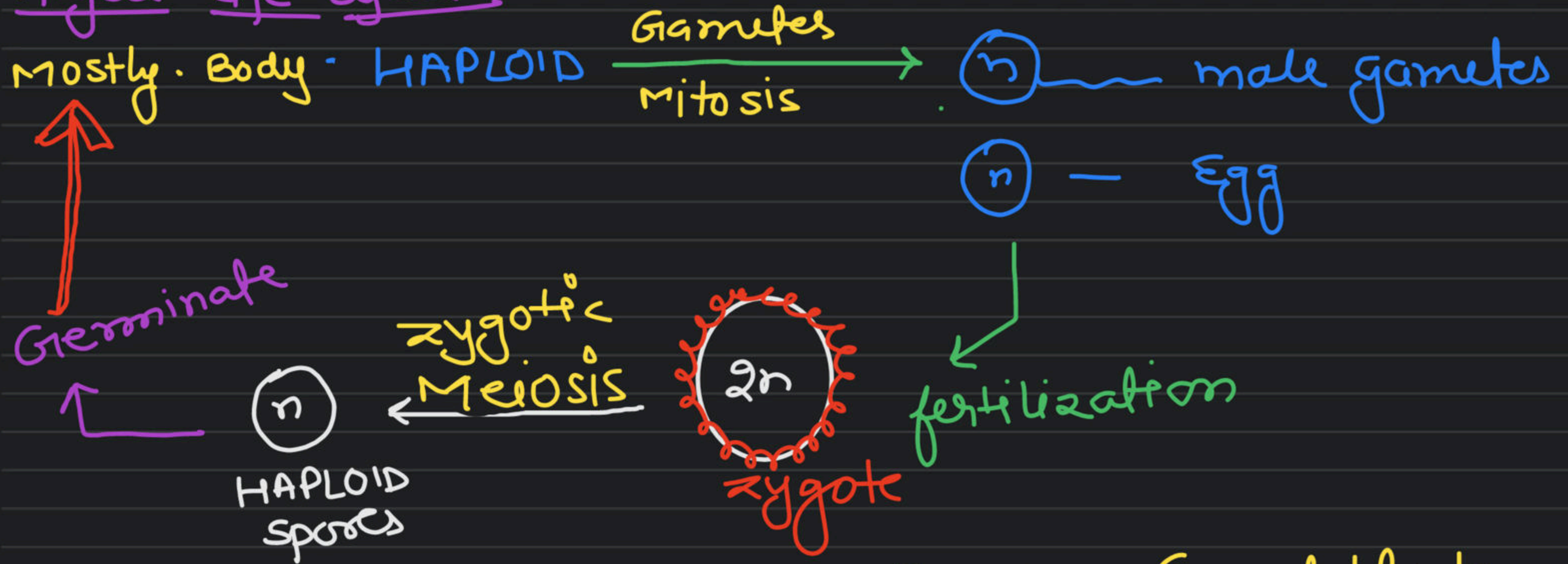
(A) Mitosis or Equational Division



(B) Meiosis or Reductional Division

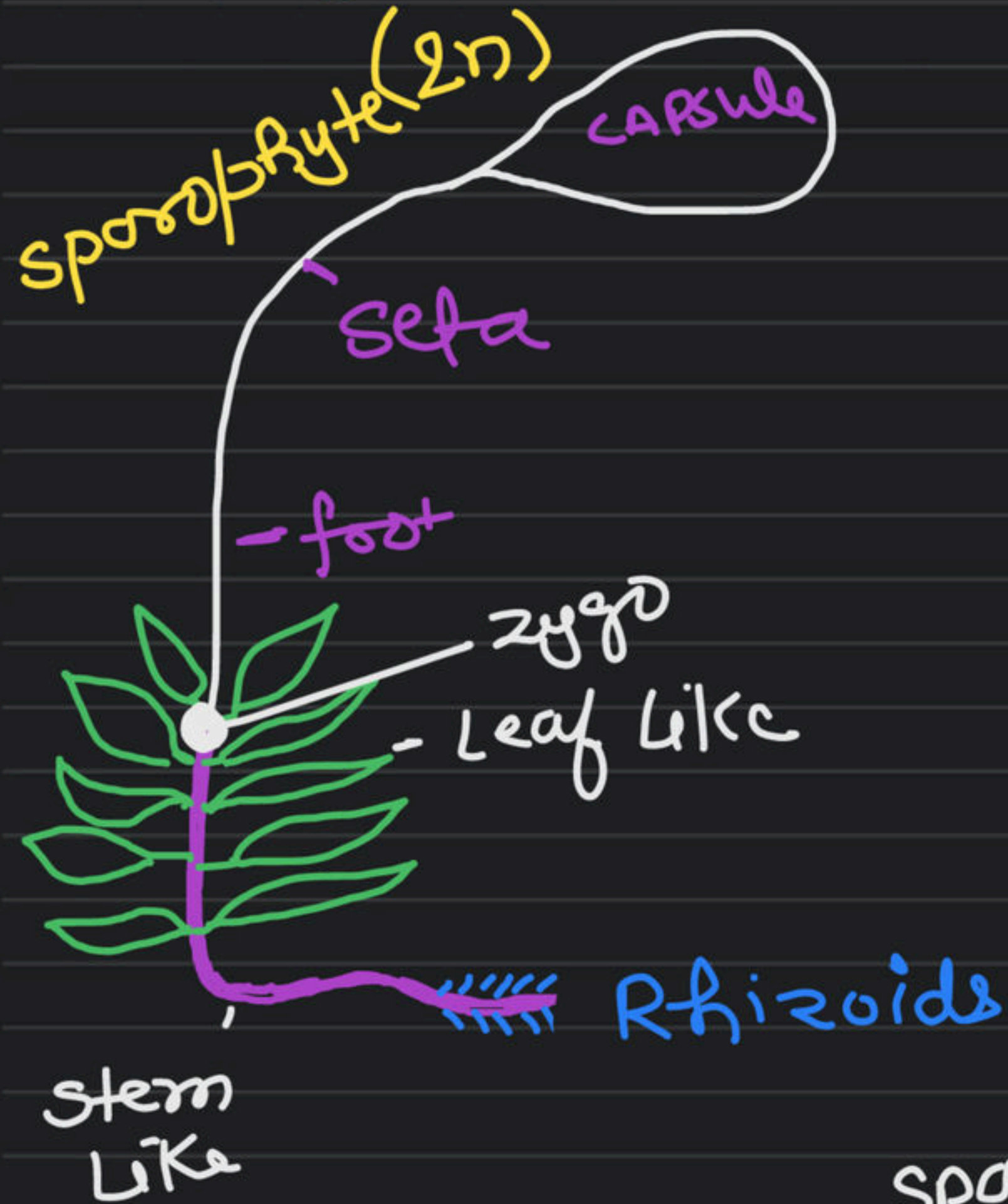


Algal - Life - cycle



HAPLOID - stage is known - Gametophyte
DIPLOID stage is known - Sporophytes

Bryophytes - main Body - Gametophyte (Produce Gametes)



- Green - photosynthetic
- Independent
- Multicellular
- sex. organs are present
- HAPLOID

↓
Antherozoid + Egg

↓
zygote

↓ Mitosis

← Embryo
sporophyte

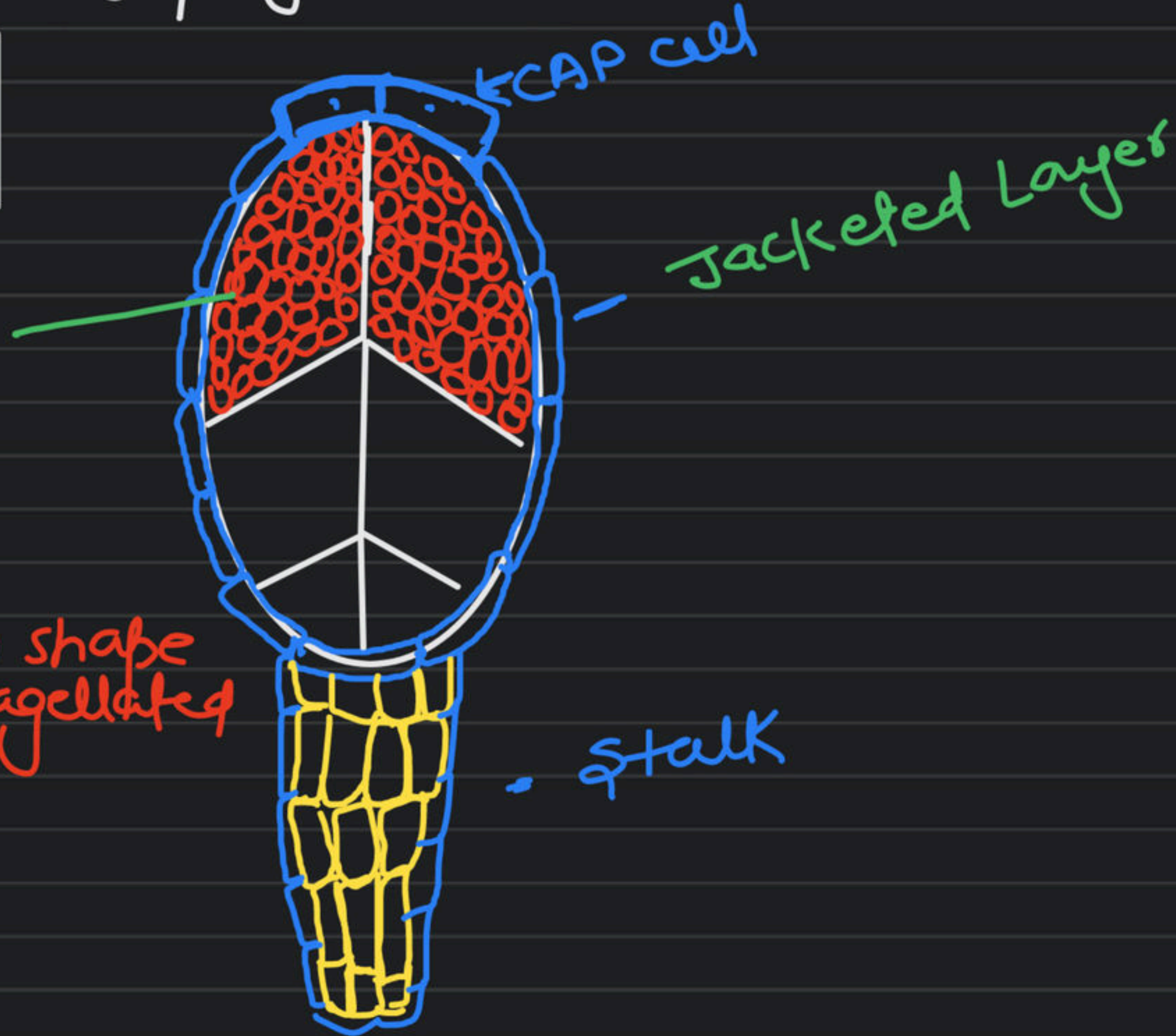
sex-organs in Bryophytes :- Multicellular, Jacketed

MALE-SEX-ORGAN
Antheridia →

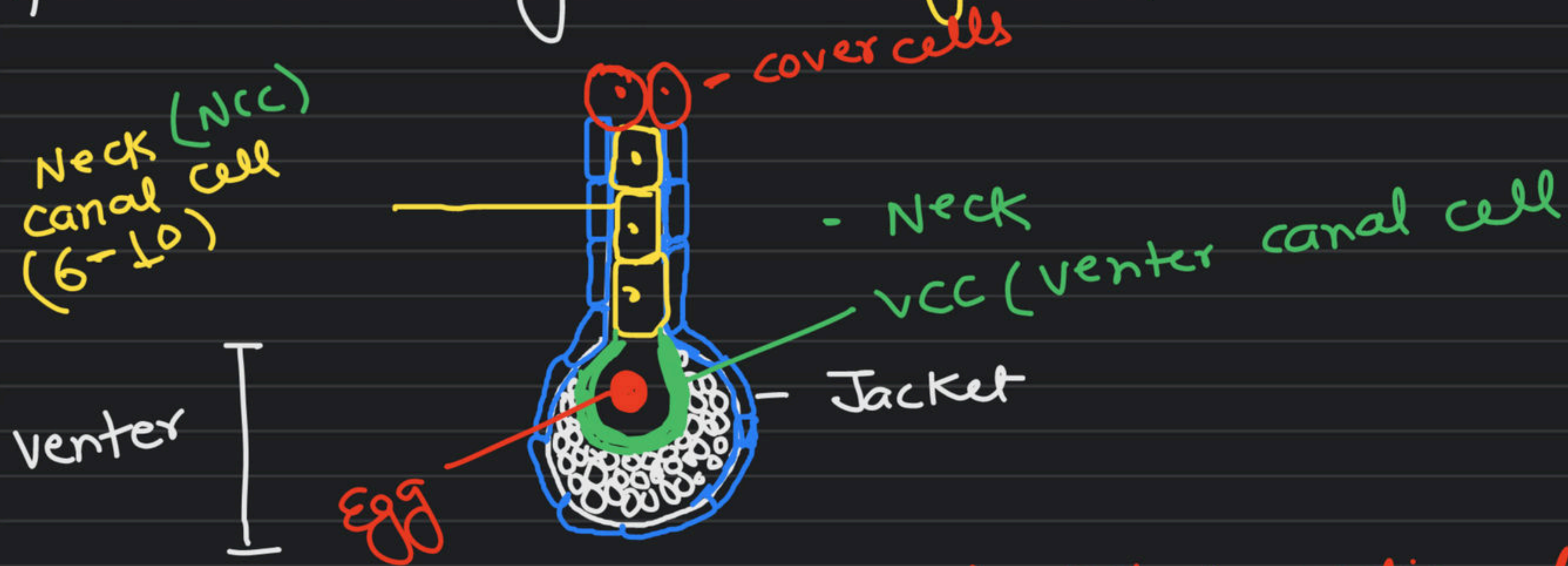
h Antherozoid
Mother cells
↓ Mitosis

male gamete
Antherozoids.

comma shape
- Biflagellated



female sex-organ - Archegonium



* water act as medium for transportation of male gamete

* NCC cells secretes some chemical compound toward which the male gamete attracted-

movement of male gamete toward the chemical stimuli is K19 as chemotactic movement

Bryophytes - first Embryophytes
zygote form embryo

