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Doubt Clearing Session

Bridge Nurture Course on Kingdom Protista

Hi - How are you all :-

Sandeep nodiyal • Lesson 4 • Sept 10, 2021

Doubt Session is for

Both

1. class 11th

2. Appearing in Neet 2021

▲ 4 • Asked by Anukriti

Sir fucoxanthin ke wajah se brown colour aata hai diatoms
aur Brown alga mai toh fir dinoflagellate mai kaise brown
colour aata h kyuki ussme sirf xanthophyll hota hai na??

▲ 3 • Asked by Rupesh

Sir only male gamete hi motile hoti hai

oogamy

▲ 2 • Asked by Rupesh

Sporozoans ka population par draistic effect kaise hota hai



▲ 2 • Asked by Isha

good morning sir, sir mera doubt h ki protista m apne bataya tha ki voh eukaryotic lekin sir dinoflagellates m toh apne bataya ki prokaryotes hote h toh is it an exception ya koi re-

Mesokaryote

▲ 1 • Asked by Kavya

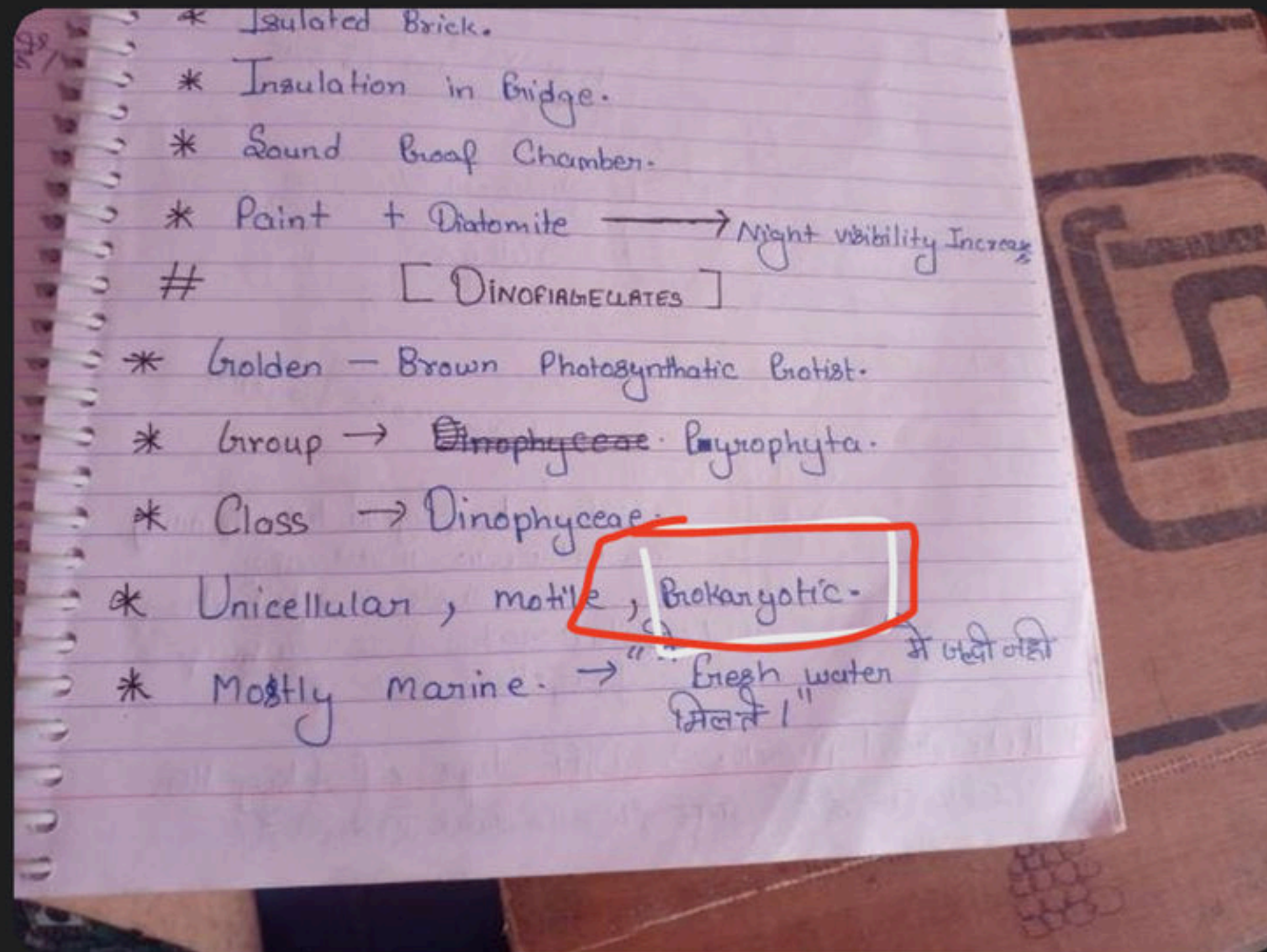
Sir likha hai

P 23
DINOFLAGELLATES :-

- Golden - Brown photosynthetic protist
- Group - Pyrophyta
- class - Dinophyceae
- * Uni, motile, ~~Prok~~ Euk
- * Mostly Marine

▲ 1 • Asked by Alok

Please help me with this doubt



▲ 1 • Asked by Palak Sing...

Please help me with this doubt

10:12 am 4G 86%

< Protista - II

Dinoflagellates :-

- Golden-Brown photosynthetic protist
- Group - Pyrrophyta
- class - Dinophyceae

* Uni, motile, Prok

* Mostly Marine

▲ 1 • Asked by Pratik

Sir ek doubt tha ki jaise aapne bataya tha ki keisalguhr trucks ke piche use kiye haate hai raat me shine krne ke liye to sir jo side me road stamps hote hai usme me iska use hota?

▲ 1 • Asked by Jubin

Sir,

Vegetative Reproduction and
Asexual Reproduction me
Difference bata dijiye

Plant - Asexual Rep → Veg

Ans



▲ 1 • Asked by Dve


Sir isko hindi me bat digiye please me Hindi midiyam se hu

unacademy

1. Body - Rigid coat - Theca/Lorica
• 2 plates made up of cellulose & Pectin

That's why also known as Armoured dinoflagellate

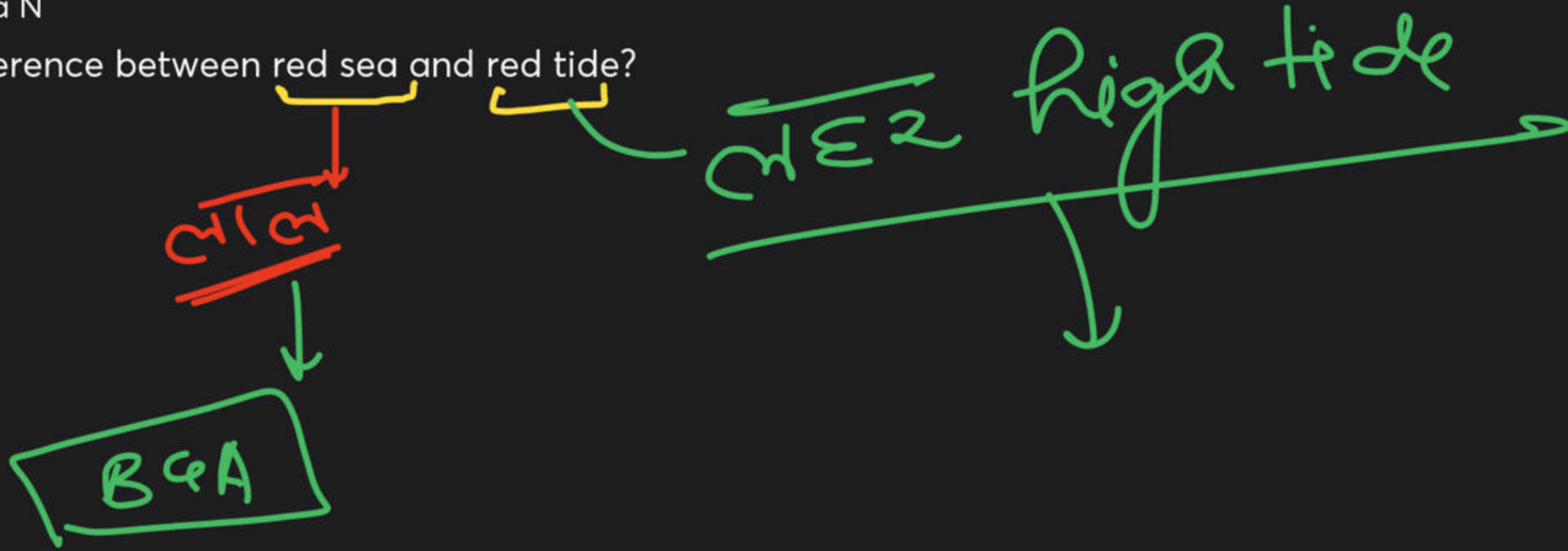
2



Navigation icons: back, forward, search, and a share icon.

▲ 1 • Asked by Tanya N

Sir what is the difference between red sea and red tide?



▲ 1 • Asked by Pj Debjit

Sir resting spore ka function kya hota he ???

unfav. condit^{on} → Protection

▲ 1 • Asked by Isha

sir ek baat puchni thi ki sir diatom ke structure m cyst wall
ka kya kaam h

Protection

▲ 1 • Asked by Alok

SIR DIPLOID CONCEPT SAMJHA DIJIYE PLEASE SIR



— Diploid

Homologous



→ HAPLOID

fungi

▲ 1 • Asked by Uzma

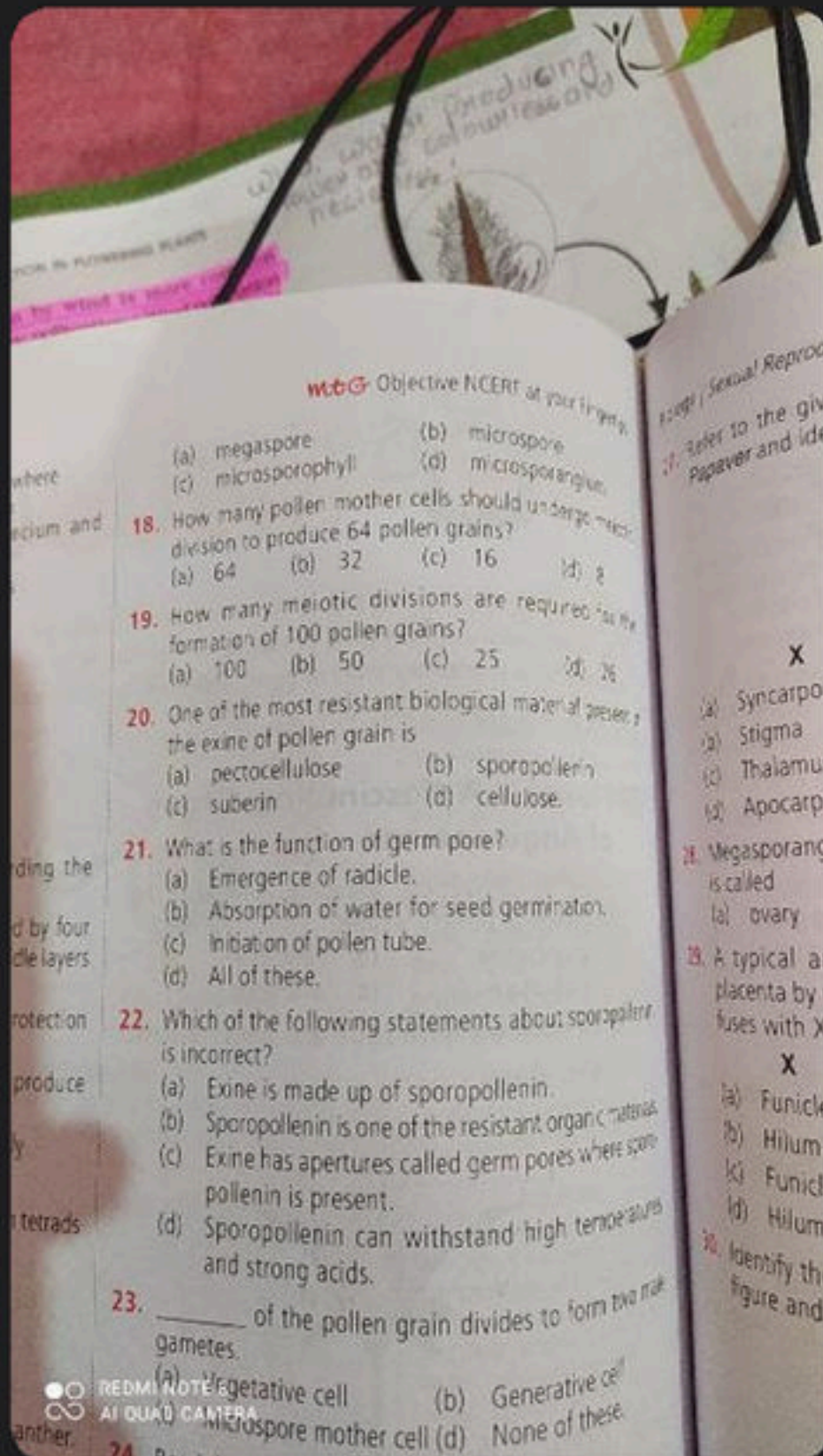
mycetozoa group animal wala hota h ya fungi.wala .. apne phle btaya tha ki debary ne animal bta k rkha tha lekin last class me btaya tha ki mxcomycetes me hone k kran kaha jata h..

▲ 1 • Asked by Kavya

Sir Diatoms me nucleus vacuole ke andar kyu hota hai, side me kyu nahi?

▲ 1 • Asked by Tttsrishty

18 19. Sir ek baar ese questions bta dijiy thodi confusion
rahti h isme hamesha



▲ 1 • Asked by Ashish

diatoms me xanthophyll - fucoxanthin hota hai to fir
dinoflagellates me bhi xanthophyll same hi hoga

▲ 1 • Asked by Sadaya Sha...

Sir filamentous thread like - Spiragorya and
colonial(motile)- volvox dono motile hai kya?

▲ 1 • Asked by Rupesh

Indestructible in nature ek baar samjha dijiye sir

destrible

▲ 1 • Asked by Palak Sing...

Sir 60 wala

Biological Classification

- (b) *Euglena* placed in continuous darkness lose their photosynthetic activity and die
 (c) The pigments of *Euglena* are quite different from those of green plants
 (d) *Euglena* is a marine protist
57. Which of the following statement is true about *Euglena*?
 (a) They show flagellar locomotion (b) They have a rigid cell wall
 (c) They have no chloroplast (d) They are obligate autotroph
58. I. Instead of a cell wall they have a protein rich pellicle making their body flexible.
 II. They have 2 flagella, a short and a long one.
 III. They have mixotrophic nutrition
 IV. In light they are photosynthetic, but act as heterotroph (predating other smaller organism) when they are in dark.
 V. They are connecting link between plants and animals.
 The above statements are assigned to –
 (a) Dinoflagellates (b) Slime mould (c) Desmids and Diatoms (d) *Euglena*
59. Slime moulds –
 (a) Are parasite (b) Do not produce spores
 (c) Do not produce fruiting bodies (d) Saprophytic protists
60. The slimy mass of protoplasm with nuclei forms the body of slime mould is called –
 (a) Plasmodium (b) Myxamoeba (c) Sporocytes (d) Periplasmodium
61. Which of the following is correct about the slime mould?
 I. Its thalloid body, plasmodium, has pseudopodia for locomotion and engulfing organic matter
 II. During unfavourable conditions plasmodium differentiates and produces fruiting bodies, sporangium
 III. Spores possess no true cell wall.
 IV. They are dispersed by air current.
 V. Being extremely resistant, spores survive for many years
 VI. Plasmodium can grow upto several feet.
 (a) I, II, IV, V, VI (b) I, II, III (c) I, II, III, VI (d) II, III, VI
62. Protozoans are not included in kingdom Animalia because –
 (a) Mostly asymmetrical (b) Unicellular eukaryotes (c) Heterotrophic nature (d) Multicellular prokaryotes
63. All protozoans are –
 (a) Saprophytes only (b) Parasites only

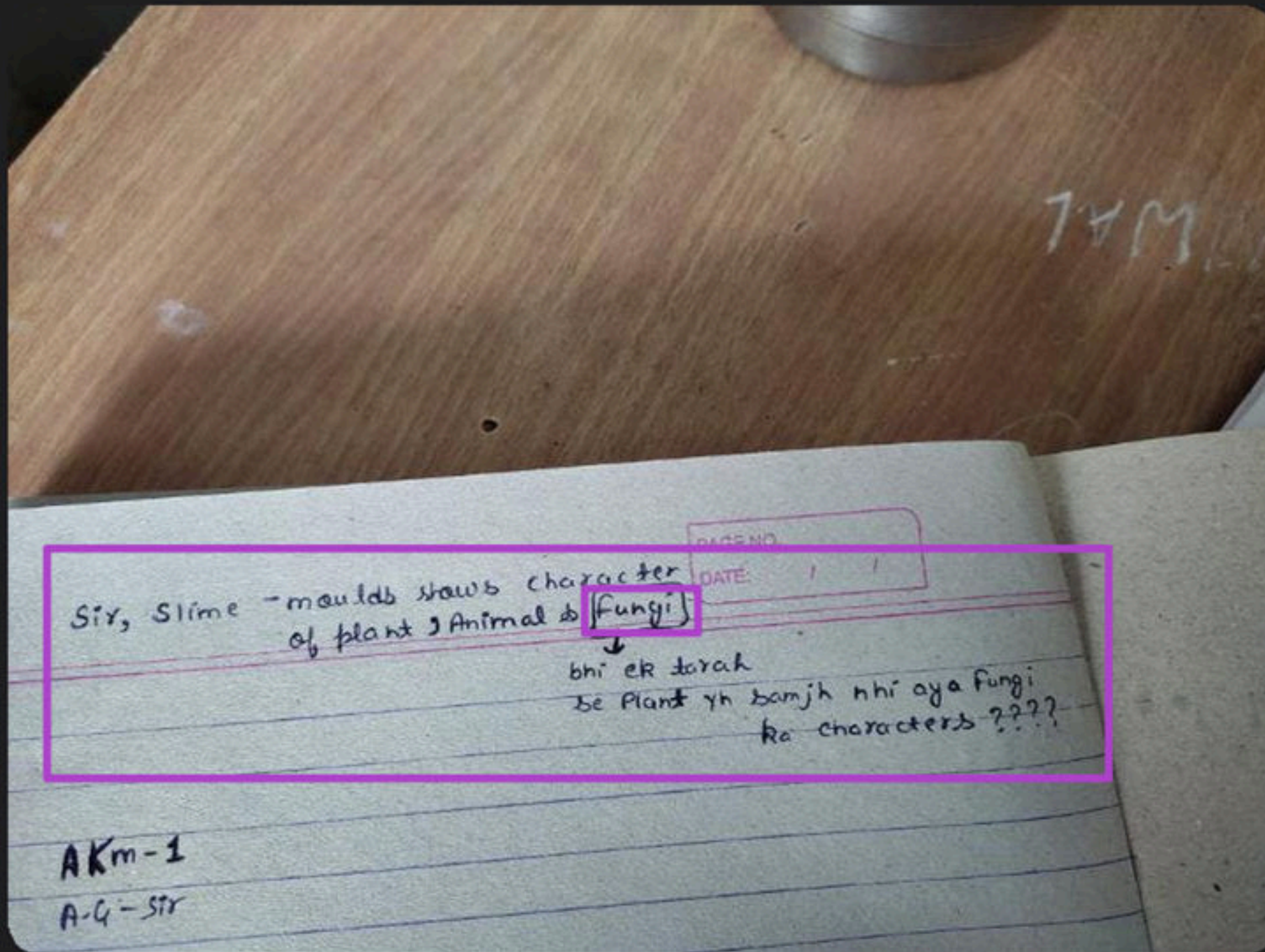
▲ 2 • Asked by Adkushwaha

Sirrr laminaria macrocystis me kya hota hai simply ya
profesely



▲ 1 • Asked by Adkushwaha

Please help me with this doubt



▲ 1 • Asked by Arafat

Sir isogamous kya hata hai bata dijiye??

gametes - Same

▲ 1 • Asked by Rupesh

Famine of Irish ka matlab kya hota hai

↳ Ireland

Lives

▲ 1 • Asked by Pjayush An...

Sir brown algae toh marine hai na toh hydrocolloids ka kya
kaam

→ hydrated

▲ 3 • Asked by Tttsrishty

Sir ek baar sbki ploidy bta dijiy iske alawa bhi or jiski jo ploidy hoti h ek baar likh dijiy pls sir

34. Select the correct option regarding the ploidy level of different structures of an angiospermous ovule.

	Nucellus	MMC	Functional megaspore
(a)	n	$2n$	$2n$
(b)	$2n$	n	n
(c)	$2n$	$2n$	n
(d)	n	$2n$	n

35. Which of the following statements is not correct?

Nucellus - $2n$
 Integume - $2n$
 MMC - $2n$
 Pollen - n
 Microspore - n
 Megaspore - n

▲ 1 • Asked by Ayesha

Sir 1 bar mesokaryon condition bta do

Dinoflagellate

Histone - Absen-
chromoso always in condens - Inter
Large Nucleus
N, NO, NPM →

▲ 1 • Asked by Piyal Kant...

Sir Volvox alag Organism nahi hai , E sirf Chlamydomonas
ka Colony hota hai ? Sir Please Help me?

▲ 1 • Asked by Alok

Sir last question please, GAIDUKOV PHENOMENA please
bata dijiye sir

Medium

Red
BGA

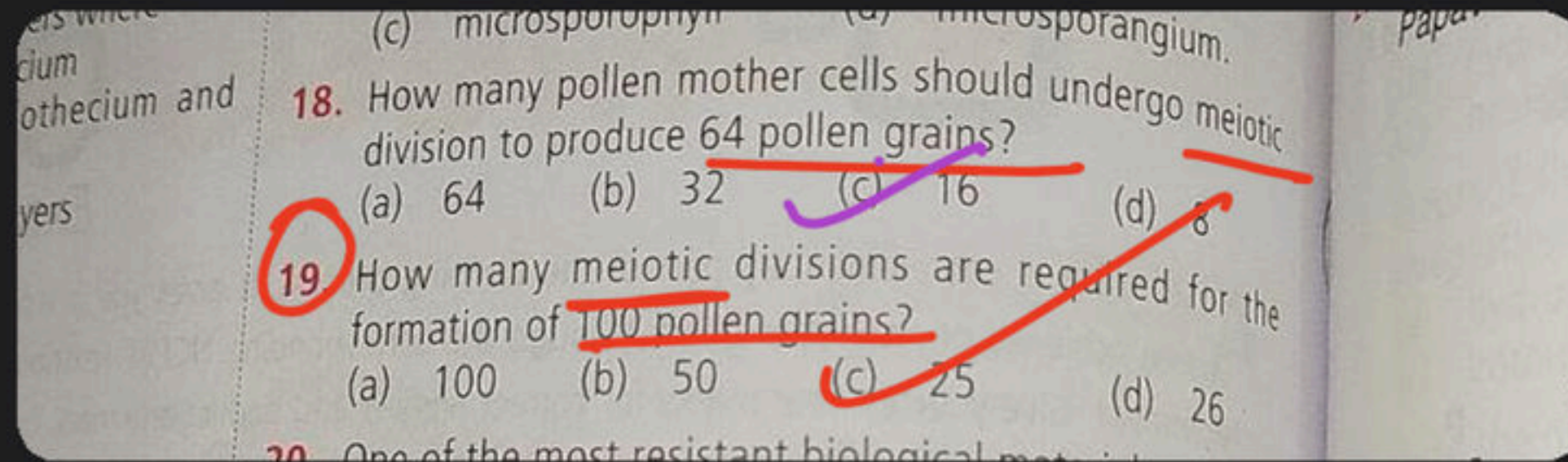
Green

▲ 1 • Asked by Bhawanaban...

Sir jo apne kelp ke baare m padhya tha to kelp ko ham eg
thodhi na khenge alage jo water m massive form hota h
ushe khethe h to ushka koi aur eg hoga jo kelp ko banati h

▲ 1 • Asked by Tttsrishty

Sir yese questions me bht confusion rhti h hamesha ek baar bta dijiy kese krte h



1 PMC $\xrightarrow{1}$ 4 pollen grains

4 pollen - 1

$$100 = \frac{1}{4} \times 100$$

$$= 25$$

▲ 1 • Asked by Kashish

Sir duniya m sbse phle algae hi Q aaye duniya m koi or organism bhi to aa skte the na

▲ 1 • Asked by Sakshi

Sir Laminariya Macrocyetis kiska example hai

▲ 1 • Asked by Shaurya

Sir yhe 2nd wala point galatt h??????

(1) CHLOROPHYTA	-	GREEN ALGAE
(2) PHAEOPHYTA	-	BROWN ALGAE
(3) RHODOPHYTA	-	RED ALGAE

Green Algae (Chlorophyceae)

- All the algae, included in this division are green in color.
- Green algae are the **most advanced** algae.
- Green algae are cosmopolitan in nature.

Important forms of Green algae

unicellular algae are found in many forms

unicellular

Chlamydomonas - Motile algae.

plant

▲ 1 • Asked by Mayank

Sir red algae me agar gyd ko phenomena hota h to wo
dikhta kaisa h

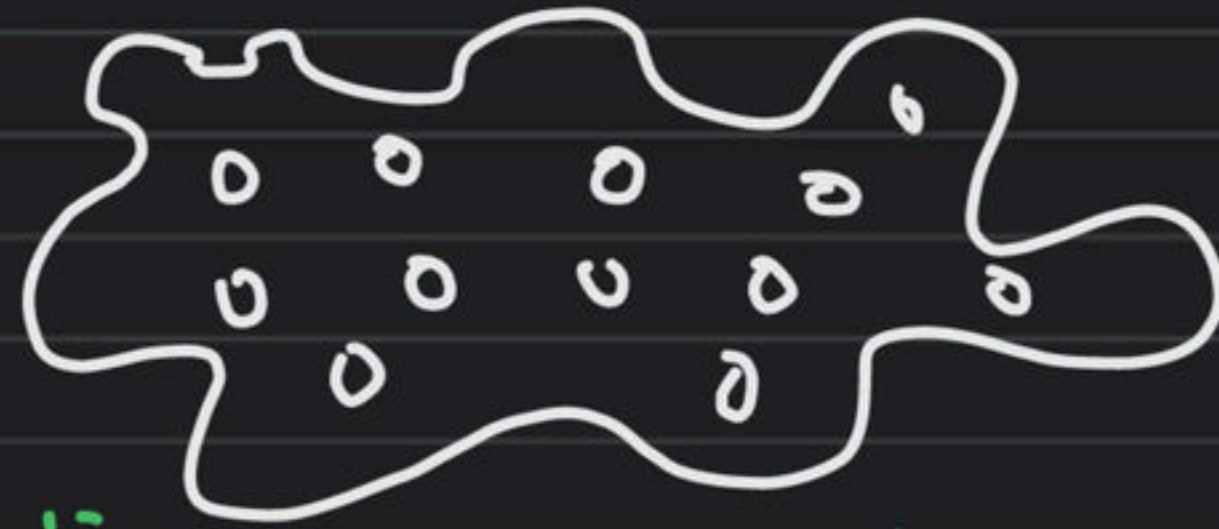
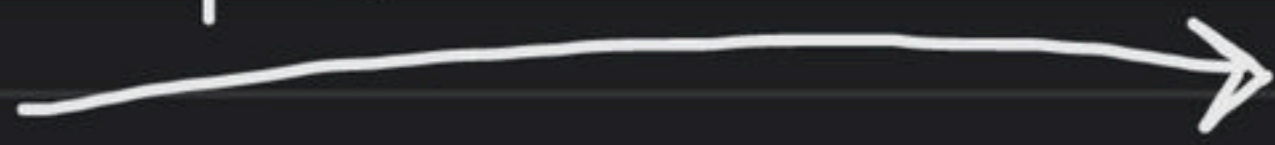
▲ 1 • Asked by Kashish

Sir, fruiting body kya hoti h?

Slime - Moulds - Acellular slime mould or Plasmodial slime mould



fav. condition



"Plasmodium"

Pseudopodia (false feet)
Uninucleated
Diploid.

Naked Mass - cell wall
Absent

Vegetative Body

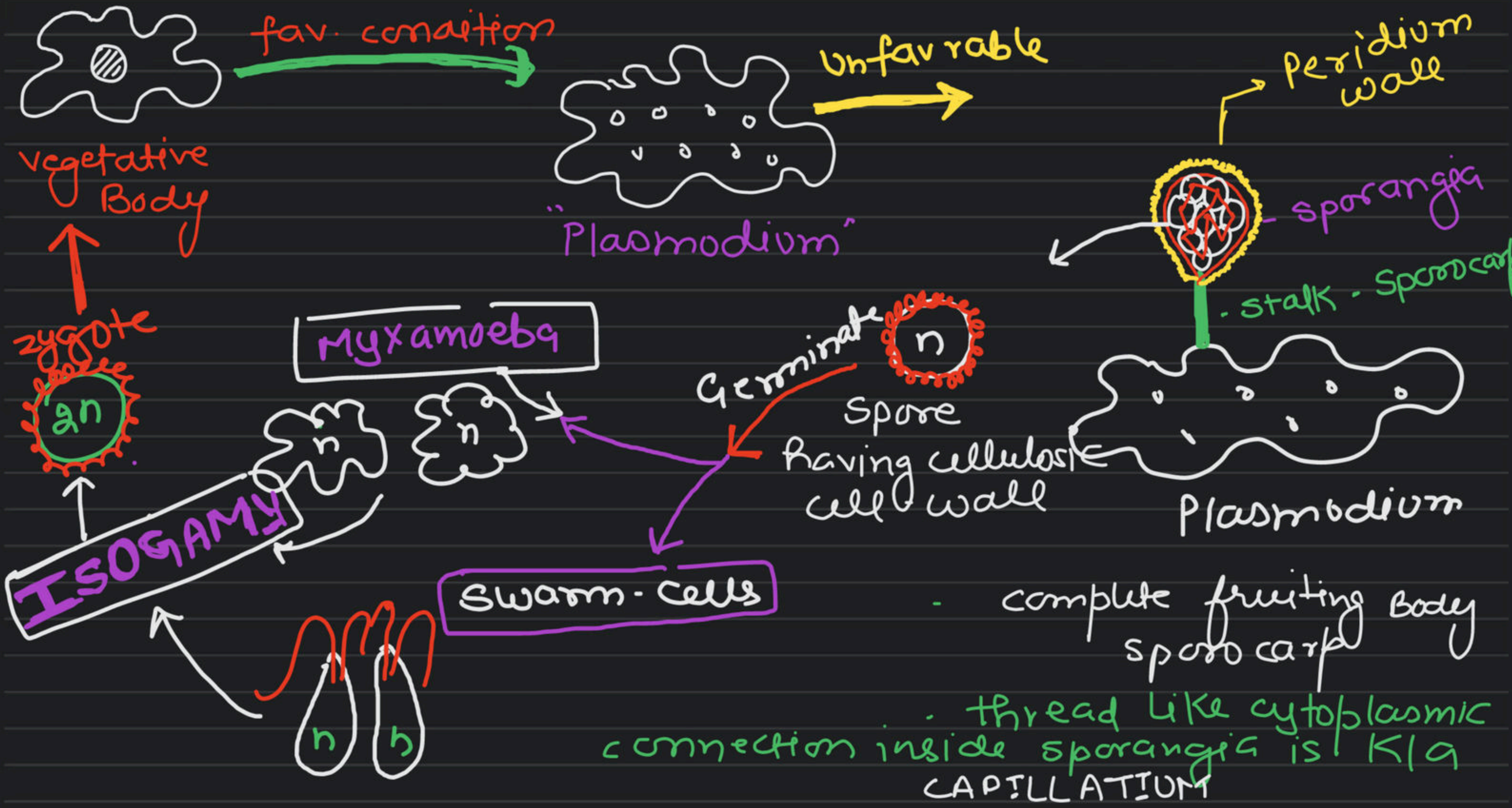
creeping over debris,
Rotted leaf, Engulf it
& some time it
grow & spread
several feet-

Eg

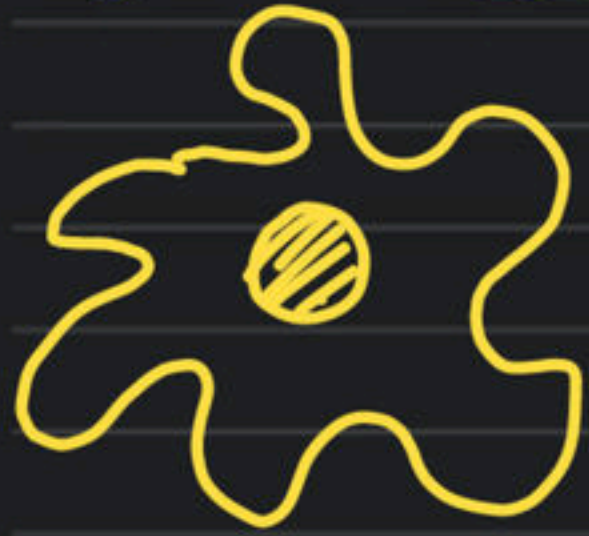
Physarella

Physarum

Fuligo



cellular - slime moulds - communal slime - mould.



Myxamoeba

HAPLOID
Uninucleated

Naked

Pseudopodia

vegetative
Body