

UPDAAN



2025

?

How Do organisms Reproduce ?



Biology

Lecture - 06

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Topics to be covered

- 1 Sexual Reproduction in flowering plants
- 2 Introduction to human reproduction
- 2 MCQ practice and Homework





Question of the Day



Largest flower of the world

**LARGEST
FLOWER
IN THE
WORLD**



Rafflesia arnoldi

Which of these will be absent in a pistillate flower ?

☒ A Anther → Stamen

☐ B Petals ✓

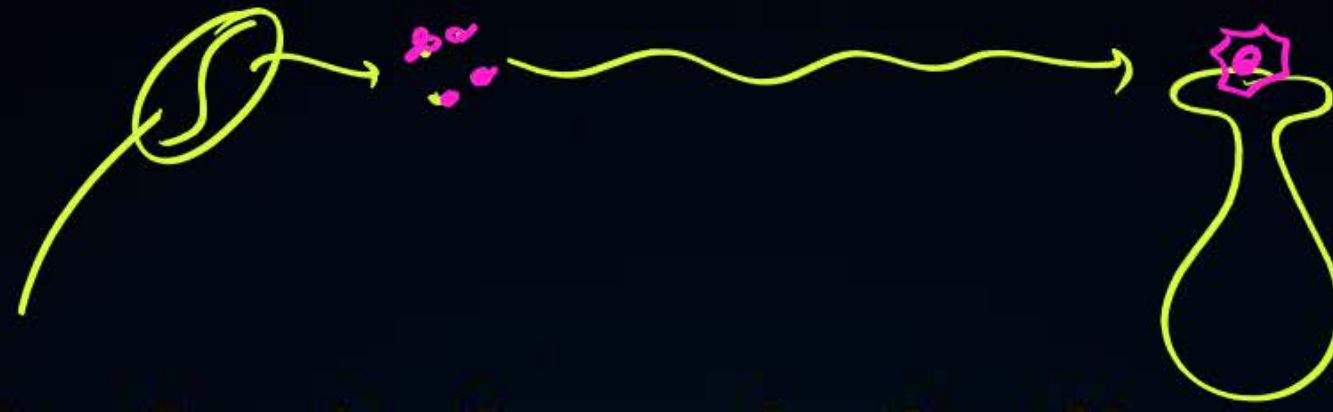
☐ C Sepals ✓

☐ D Ovary ✓

↳ pistil present

→ Stigma
→ Style
→ Ovary

Question



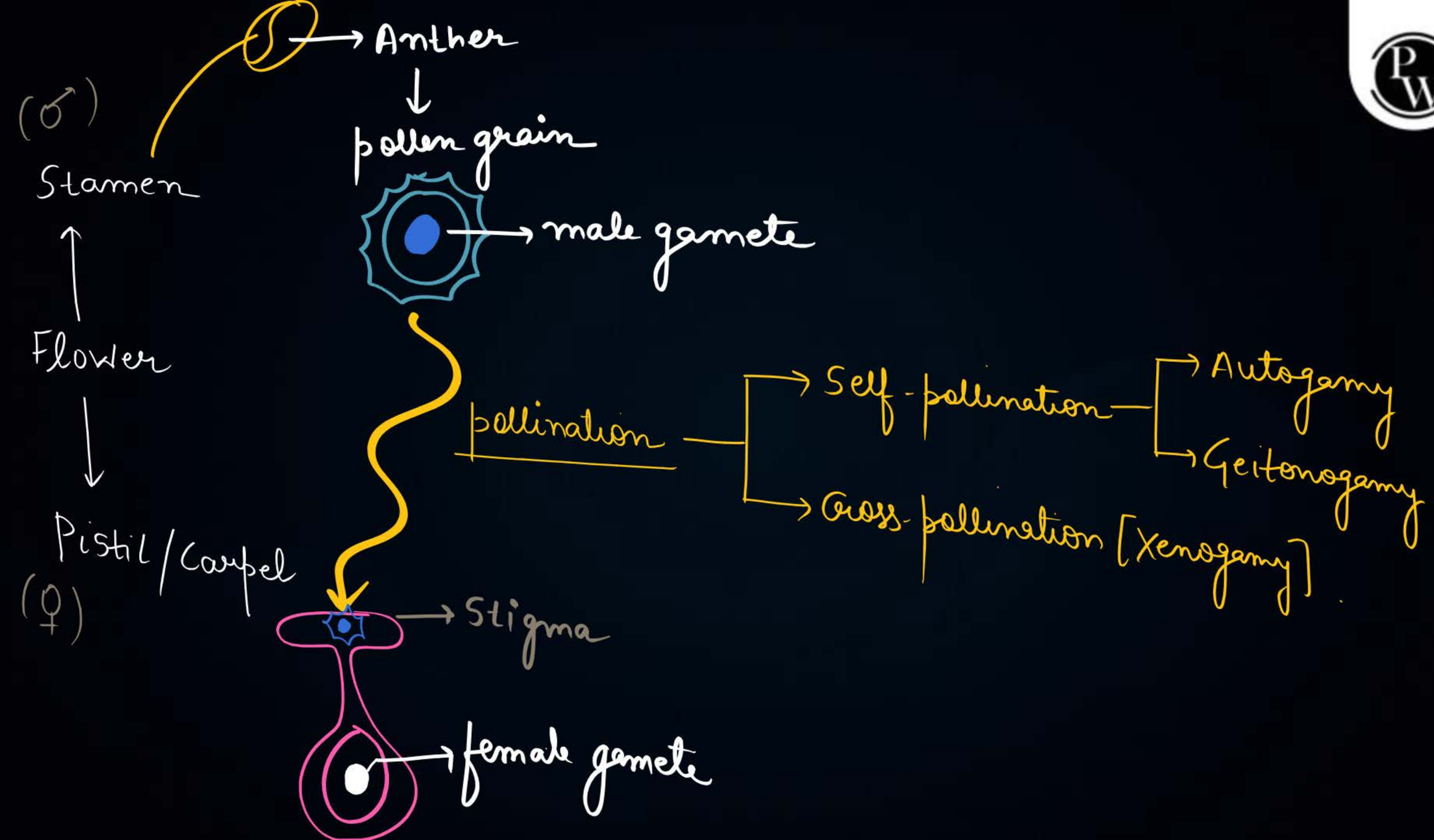
Which type of pollination is shown in the diagram ?

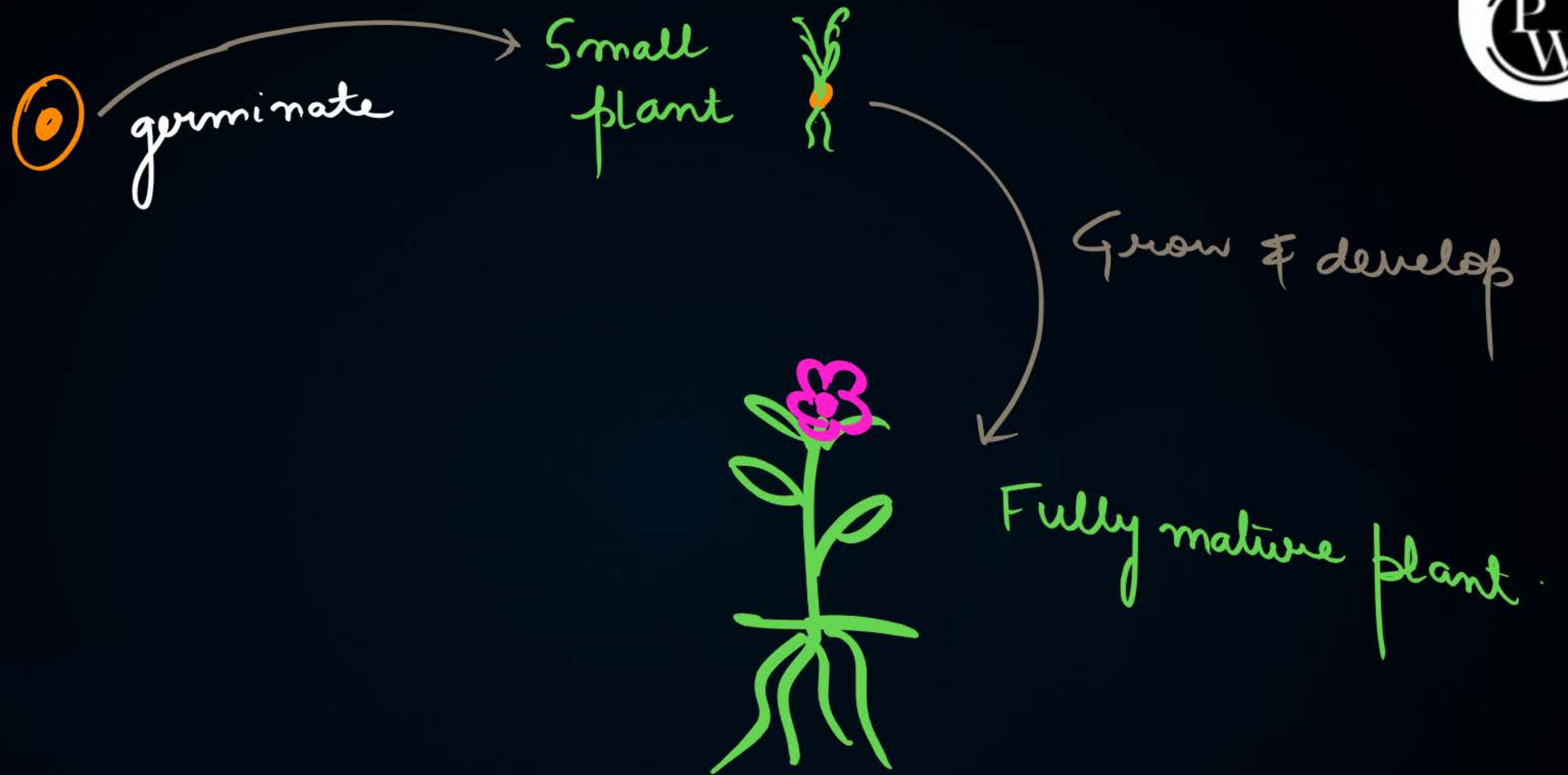
- ☐ A Xenogamy-cross pollination
- ☐ B Autogamy-self pollination
- ☒ C Geitonogamy-cross pollination
- ☒ D Geitonogamy-self pollination



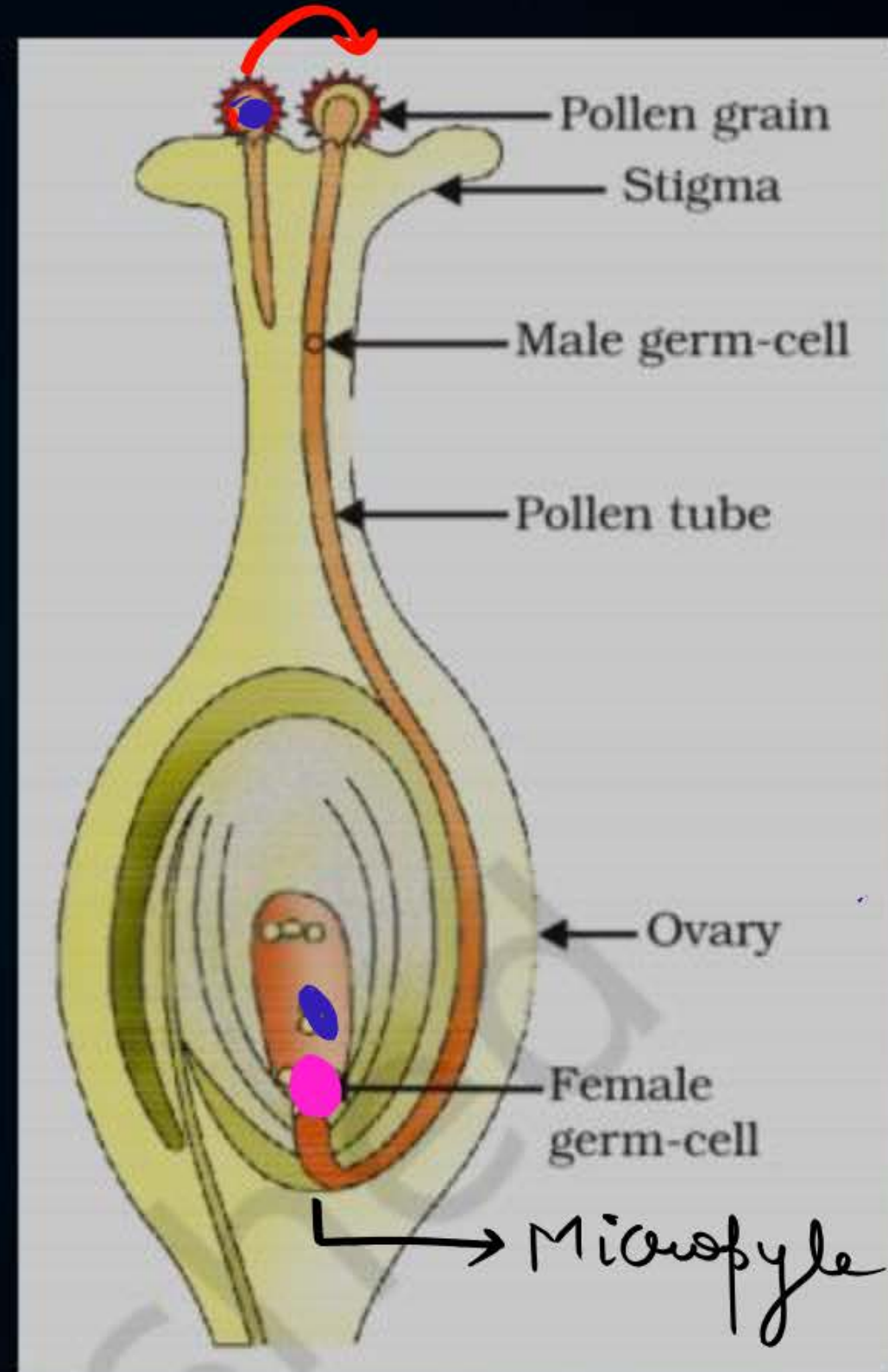
when teacher ask kuch samajh
aaya...

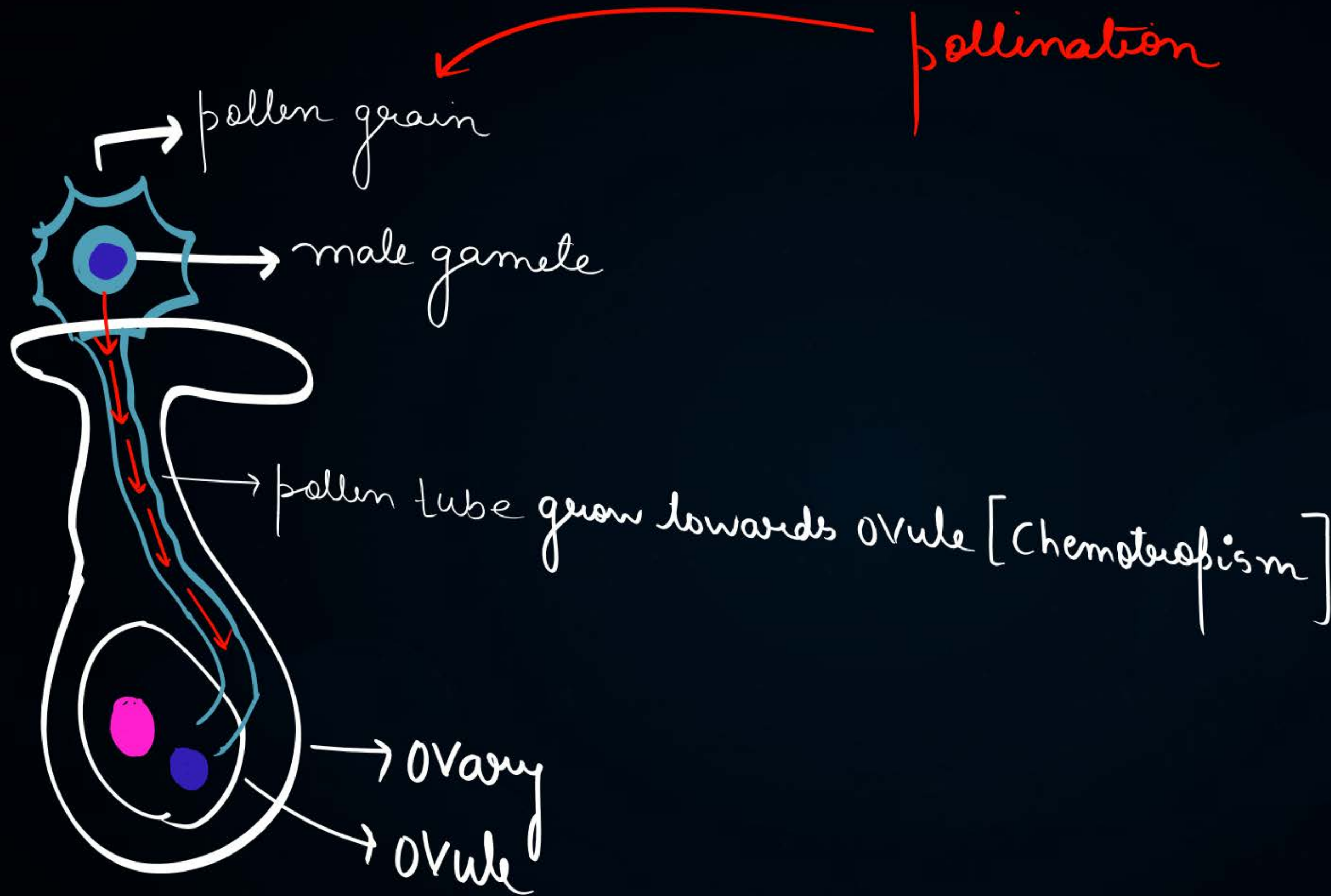


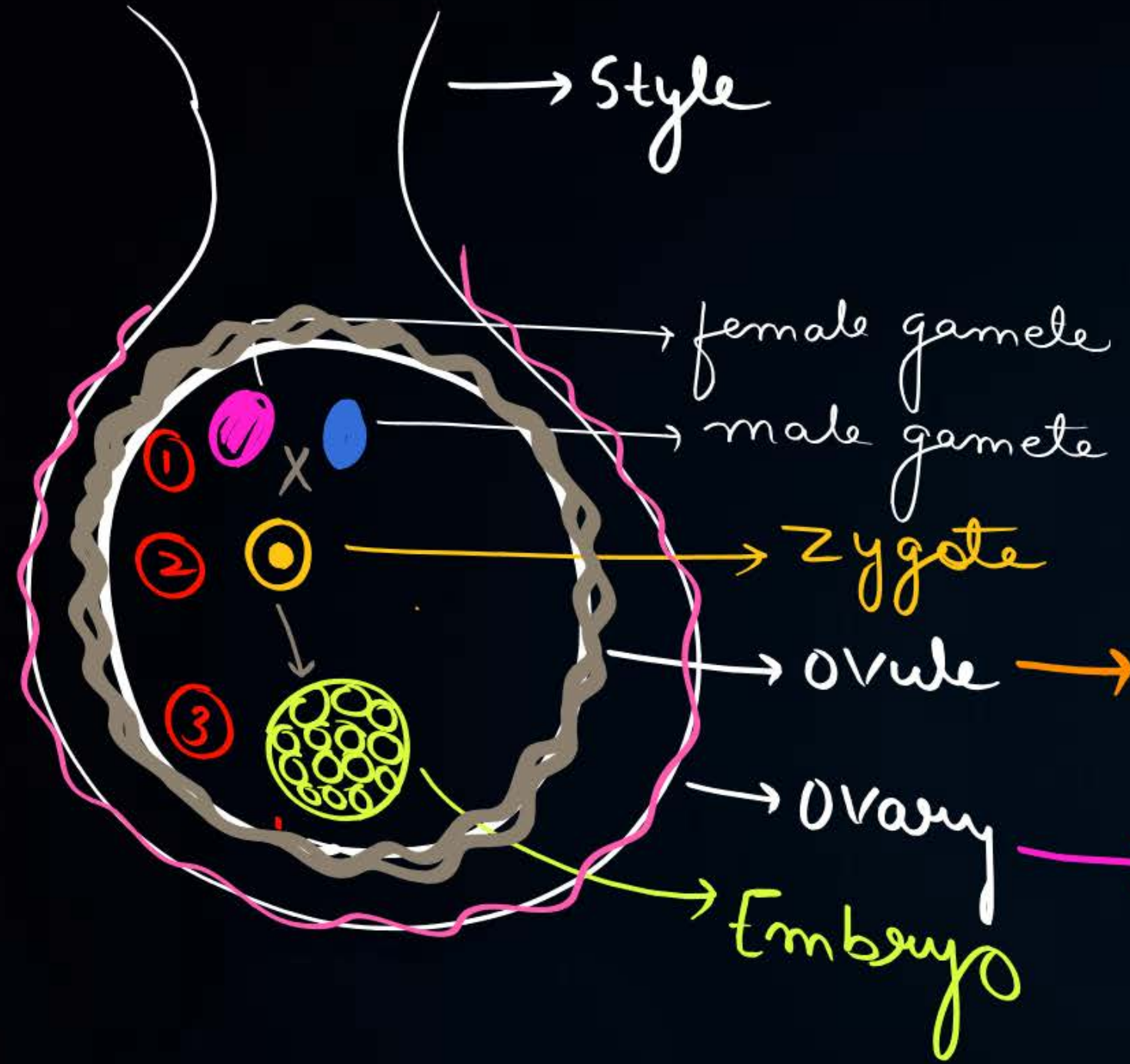




SEXUAL REPRODUCTION IN PLANTS





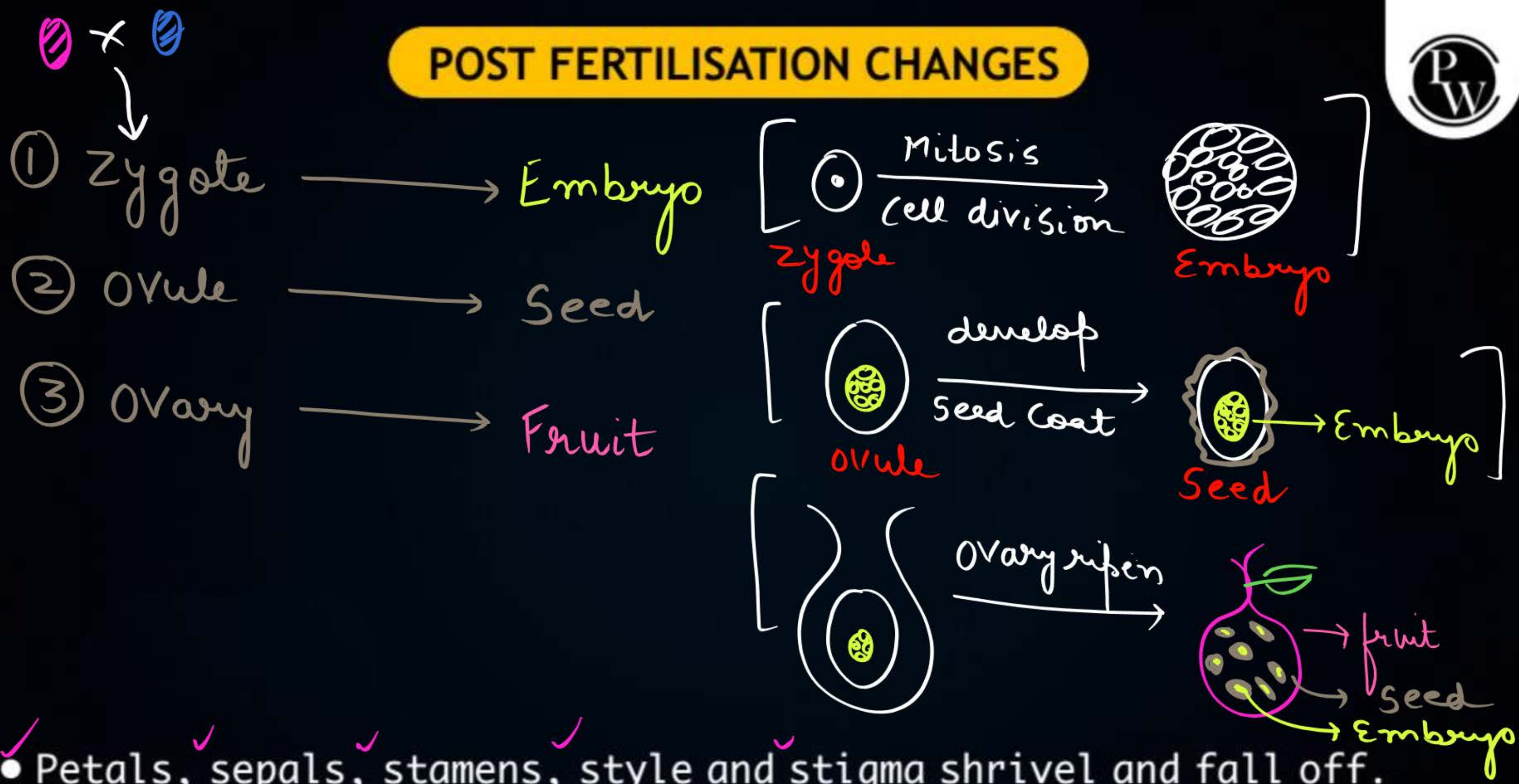


{ fusion of gametes → fertilisation }

⇒ Inside Ovule

Will develop hard coating around it & get converted into Seed.

POST FERTILISATION CHANGES



- ✓ Petals, ✓ sepals, ✓ stamens, ✓ style and stigma shrink and fall off.

New plant.



Embryo

Tissue

organ-

Organ System

Organism



* Petals/Sepals/
Stigma/Stamen
after fertilisation



acha chalta hoon...duaaron me yaad rakhna

Site of fertilisation in flowering plants ?

- ☒ A Ovule
- ☐ B Ovary
- ☐ C Seed
- ☐ D Pollen grains



#H.Q

Which part of flower gets converted into fruit after fertilisation ?

- ☐ A Ovule → Seed
- ☒ B Ovary → fruit
- ☐ C Stigma
- ☐ D Pollen grains



Seed

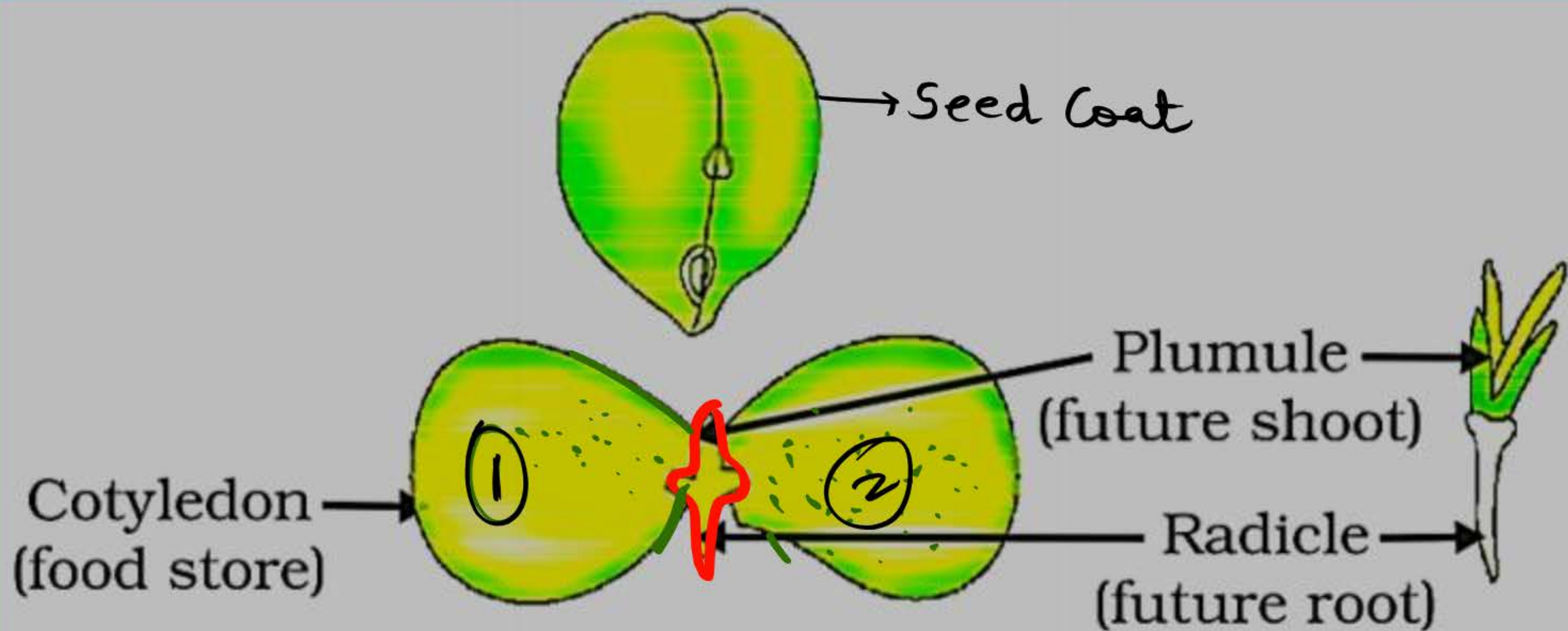
"Germinate"

- 1) Soil
- 2) Water
- 3) Minerals
- 4) Sunlight

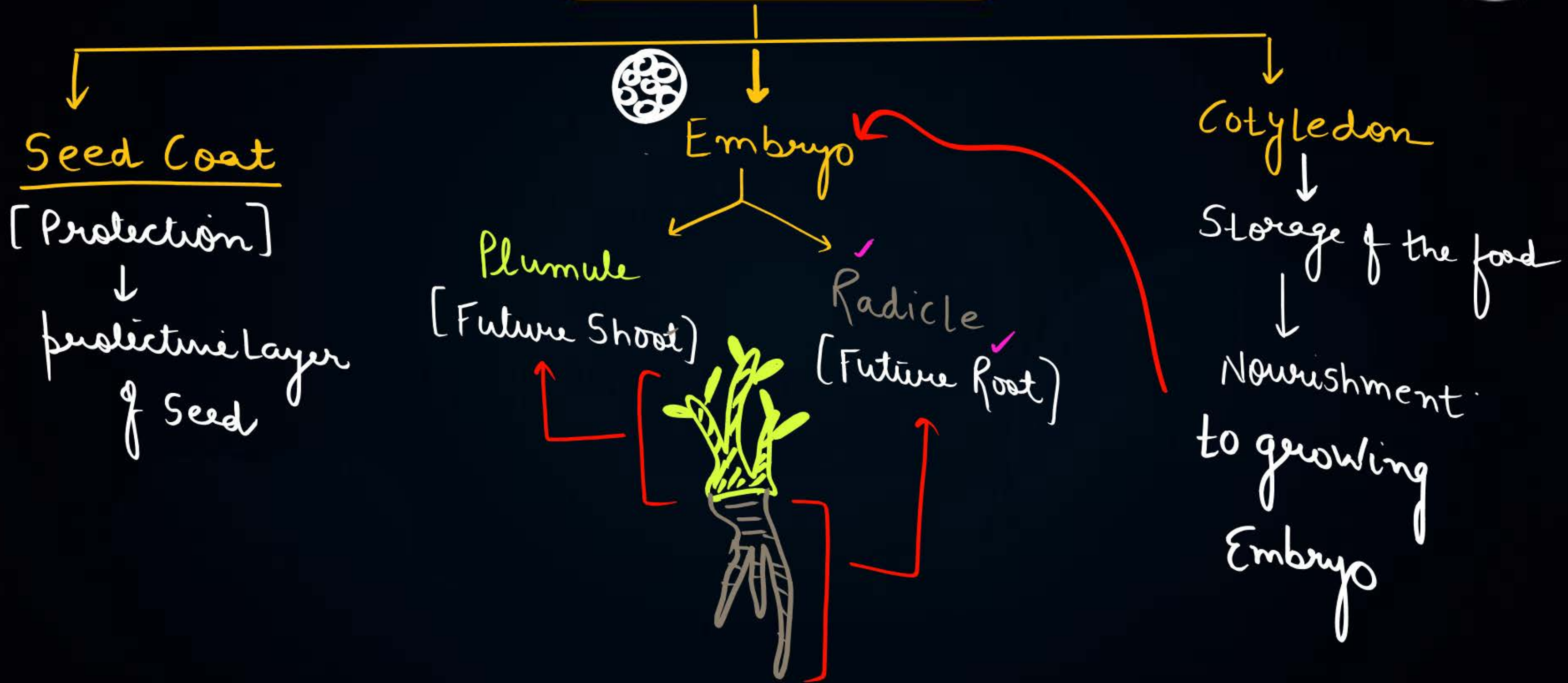


→ New plant

Parts of a seed



Parts of a seed



Types of seeds

(Monocot Seeds)

(Dicot Seed)

Monocotyledonous Seed

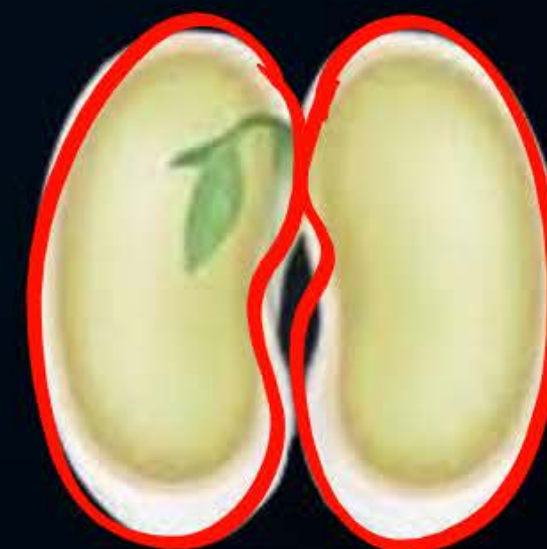
- Seeds With "Single" Cotyledon



Monocot seed

Dicotyledonous Seed

- Seeds With "Two" Cotyledons



Dicot seed

Types of seeds

Monocotyledonous Seed

- Rice ✓
- Maize ✓
- Wheat ✓
- Sugarcane ✓
- Onion ✓
- Lily ✓

Monocot
plants

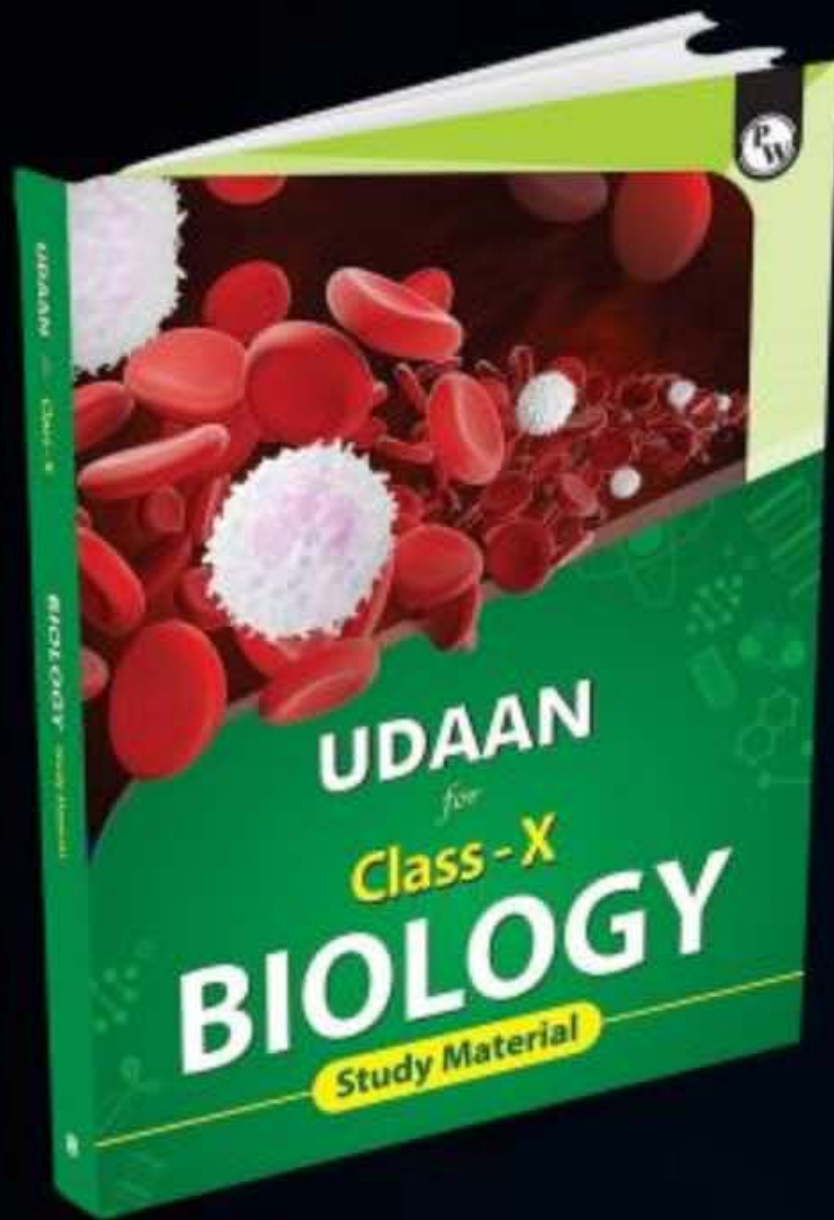
Dicotyledonous Seed

- Rose ✓
- Mango ✓
- Apple ✓
- Gram ✓
- Pea ✓
- Groundnut ✓

Dicot
plants

Seed develops from

- ☒ A Ovule ✓
- ☐ B Ovary
- ☐ C Stigma
- ☐ D Pollen grains



Homework



FROM PW MODULE
(Udaan - CLASS 10)

PAGE : 135 - Q-1 , Q-2



Joke/Meme of the Day



students shouting - *practical * *Practical*





THANK
YOU

