How Do organisms Reproduce?

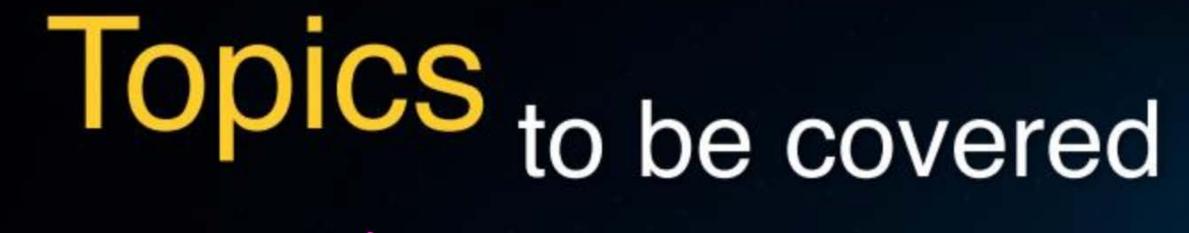
2025

Biology

Lecture - 05

By - SAMRIDHI SHARMA Ma'am





1 Sexual Reproduction in flowering plants

2 MCQ practice and Homework



A-3 B-1 C-2 D-4





Match the words in column-I with those which are most appropriate in column-II.(Re)

- A A-4, B-1, C-3, D-2
- A-3, B-1, C-2, D-4
- C A-2, B-3, C-4, D-1
- D A-1, B-4, C-3, D-2

	Column-I		Column-II
Α.	Hydra	1.	Binary fission
B. ~	Amoeba		Spore formation
C.	Rhizopus	3.	Budding
D,	Planaria	4/	Regeneration

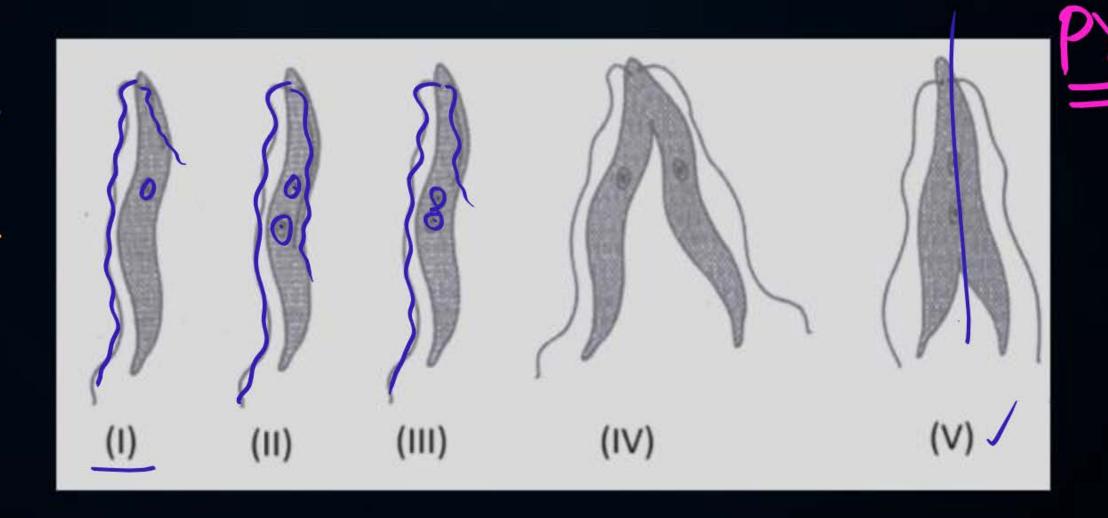
QUESTION





Choose the correct order of the stages of binary fission In Leishmania. (Re) (CBSE, 2023)

- A I, II, III, IV, V
- I, III, II, V, IV
- C I, III, V, II, IV
- D I, II, III, V, IV



QUESTION

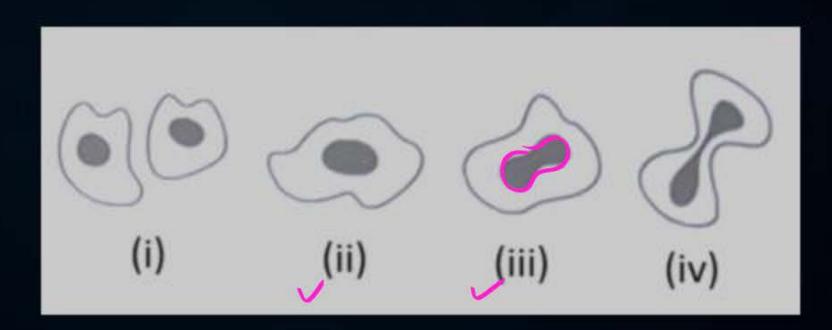




In a biology lab, the teacher set up a slide showing binary fission in an *Amoeba*, but the stages were in the incorrect order as shown below. Carefully observe the image provided and choose the option showing the correct order.

(Re) //

- (i), (iii), (iv) and (ii)
- (ii), (iii), (iv) and (i)
- (iv), (iii), (ii) and (i)
- D (iii), (iv), (ii) and (i)



SEXUAL REPRODUCTION IN ORGANISMS

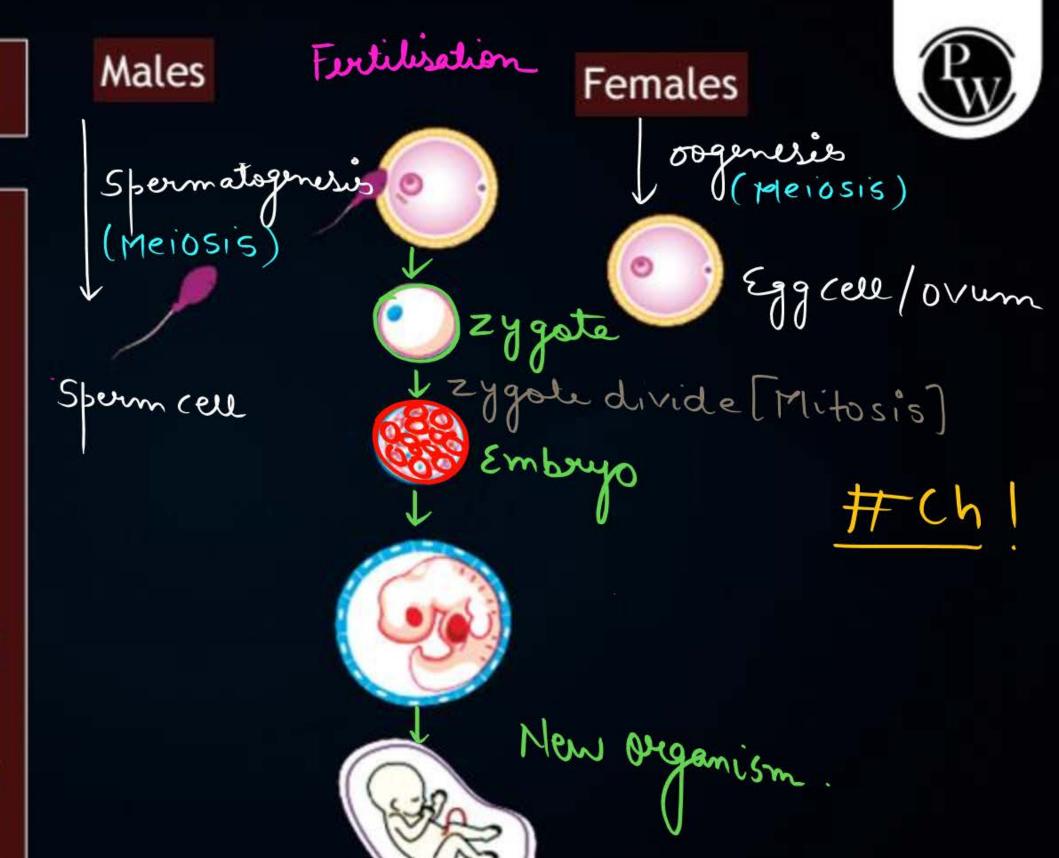
Gamete formation (Gametogenesis) Gamete transfer

FERTILISATION

Formation of zygote

Development to zygote into embryo

Growth and Development of embryo in to whole new organism





Which of the following occurs before fertilisation?

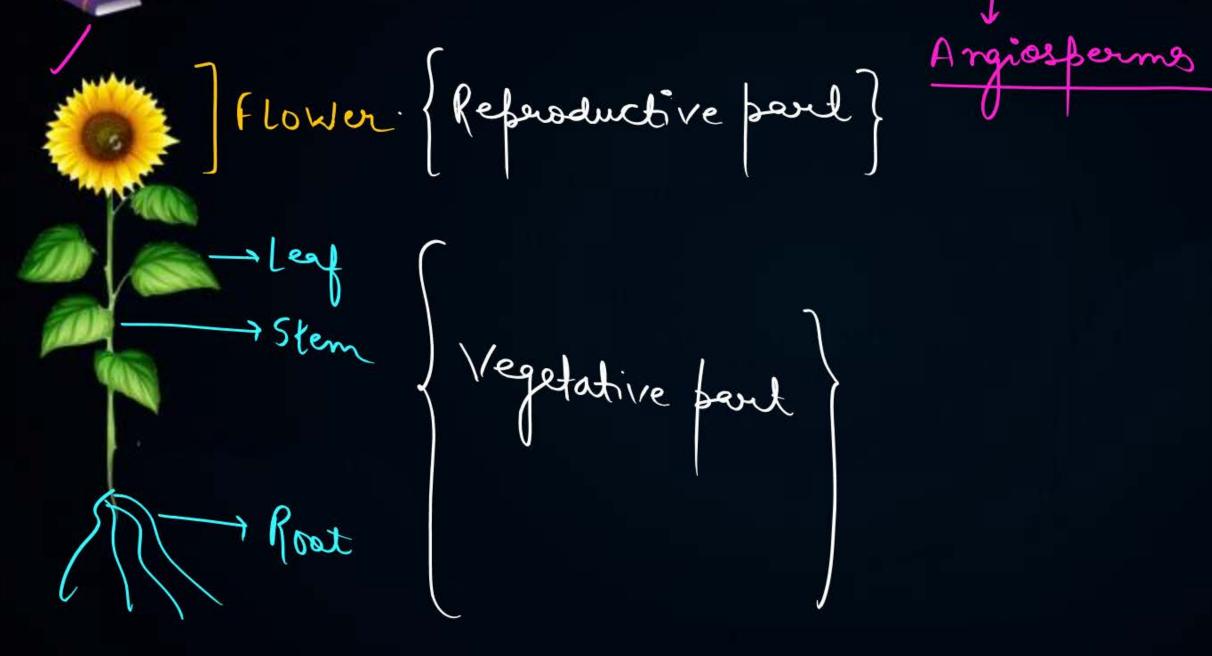
- A Zygote formation X
- Gametogenesis Jornalian & gamete
- C Development of embryo X
- D Both B and C





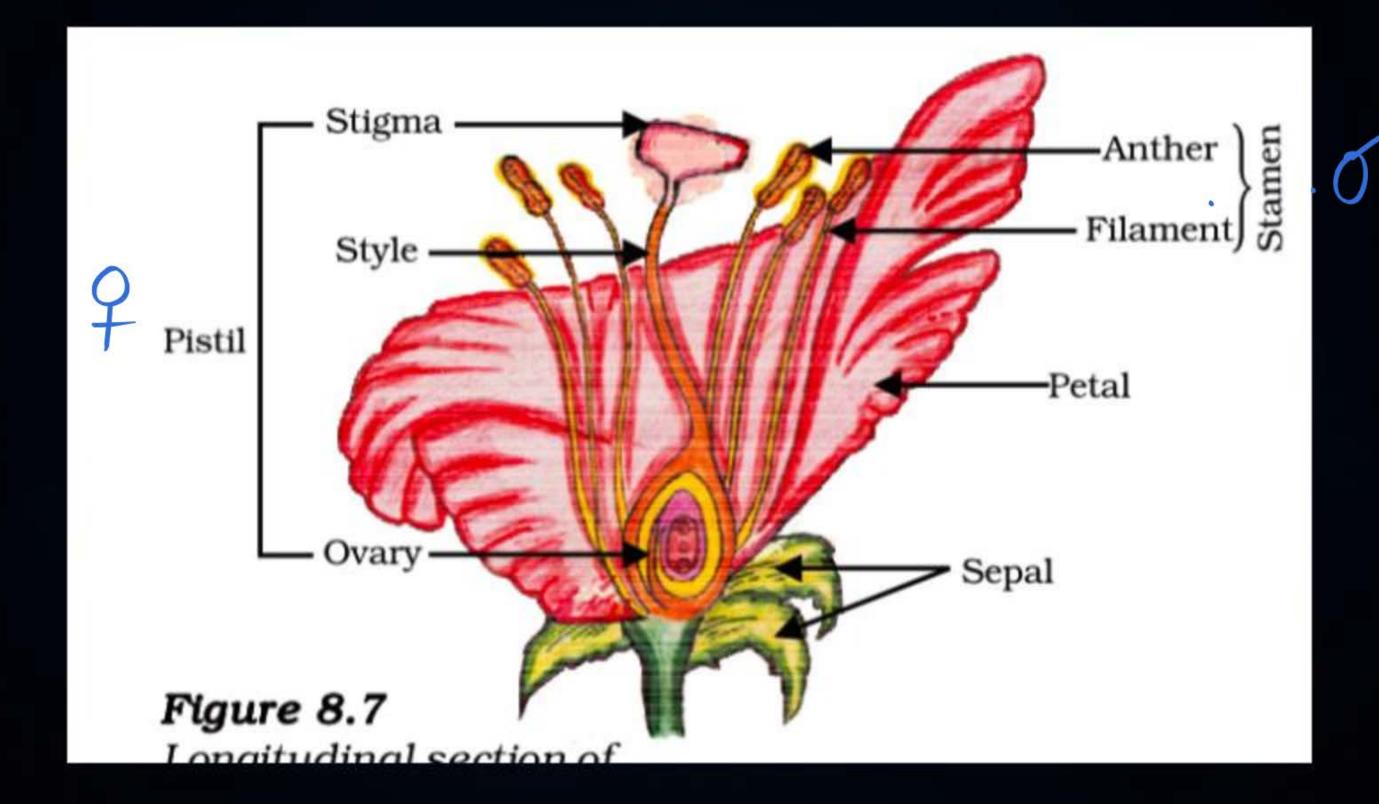
Sexual reproduction in flowering plants





Parts of a Flower











Parts of the flower	Functions	
Sepals (Calyx)	Usually green and provide protection to flowers during the bud stage.	
Petals (Corolla)/	Brightly coloured and have a strong <u>fragrance</u> to attract pollinators. insets to birdy	



Stamen / Androecium / Male Reproductive Organ



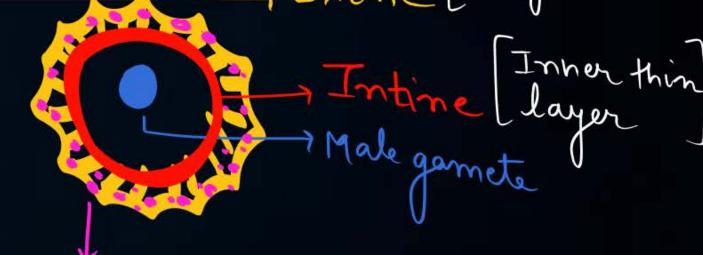
0	Anther	Produces pollen grains which consists of male gametes.
		mate game ces.

(2) Filament It forms the stalk that bears anther

Anther Pollen grain
Male gamete

Filament Sac

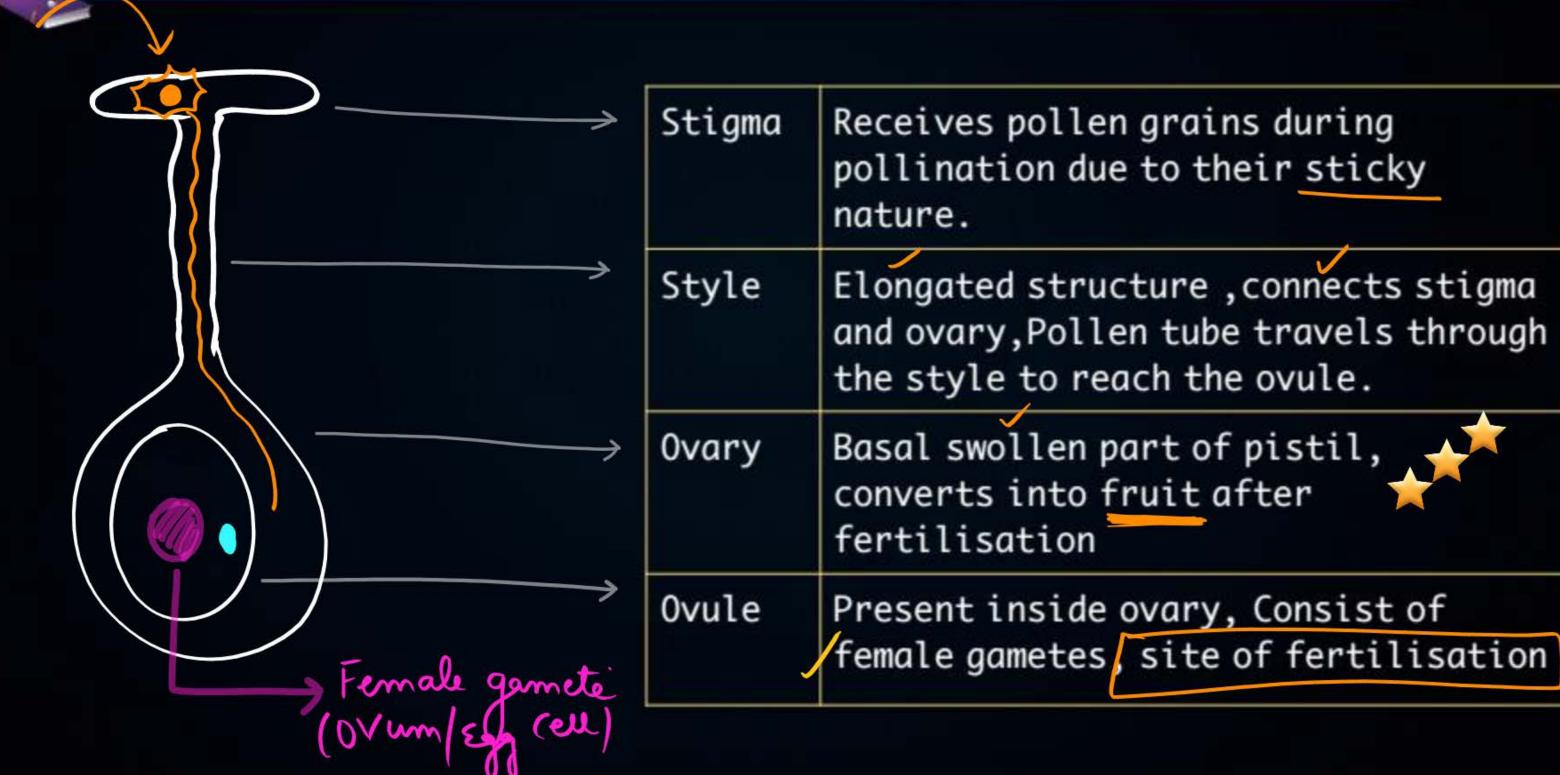
Exine Outen thick

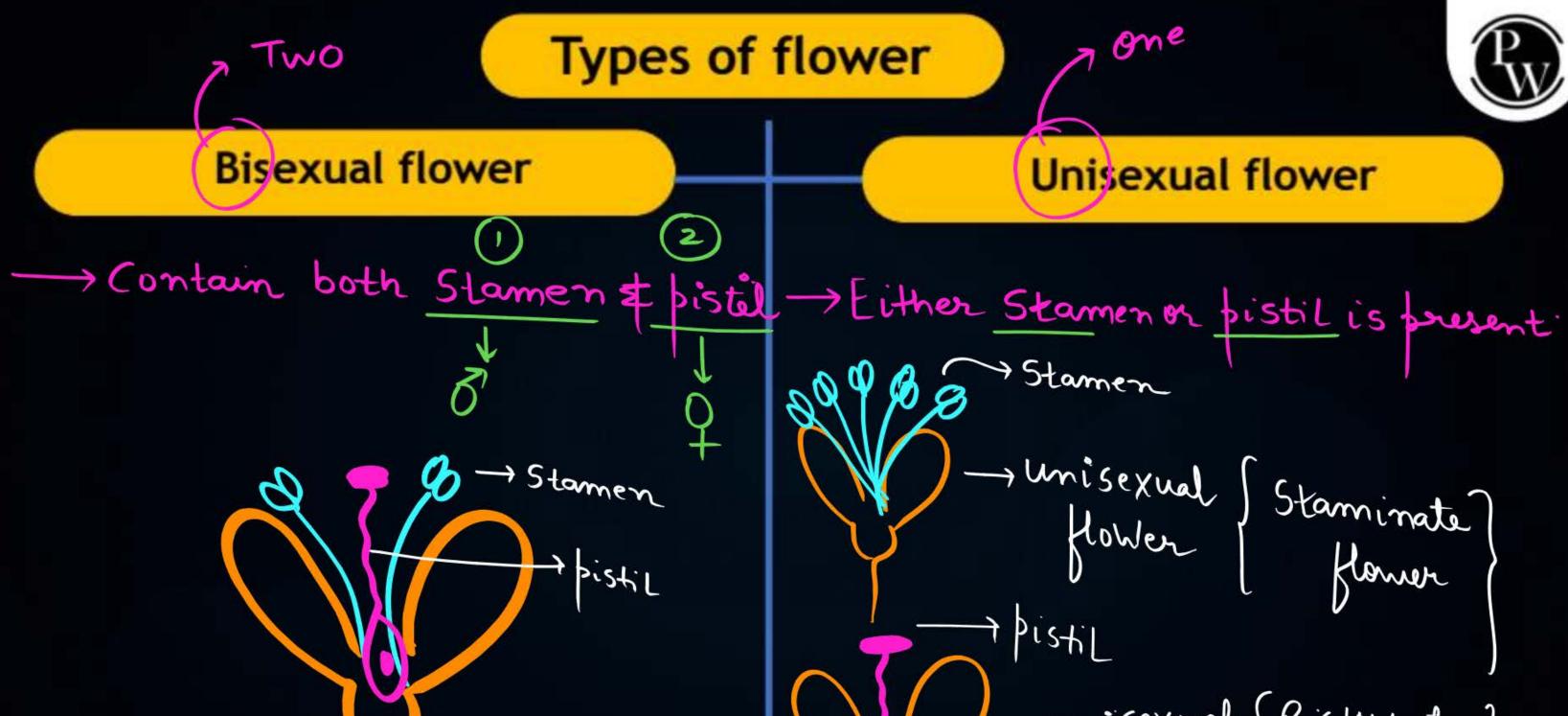


Sporafalletin

Pistil/Carpel / Gynoecium / Female Reproductive Organ







7 one



Unisexual flower

+ Stamen Junisexual Staminate

flower

flower 7 Pistil Junisexual {Pistillate}

flomer

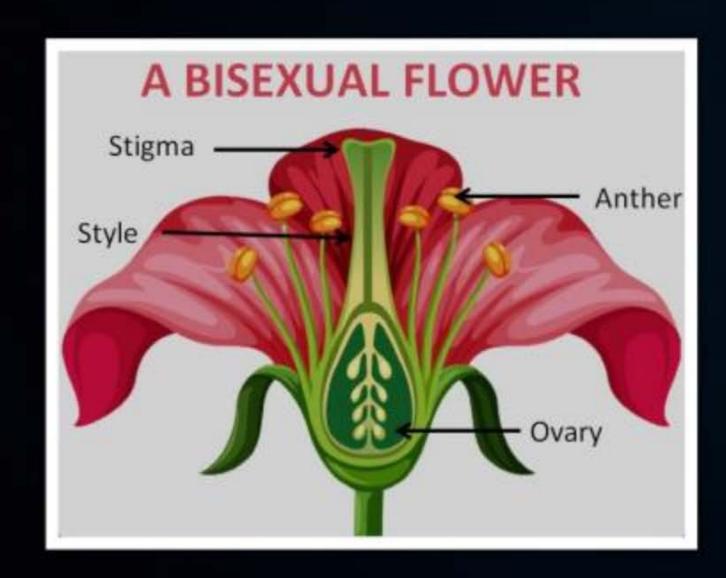
flomer

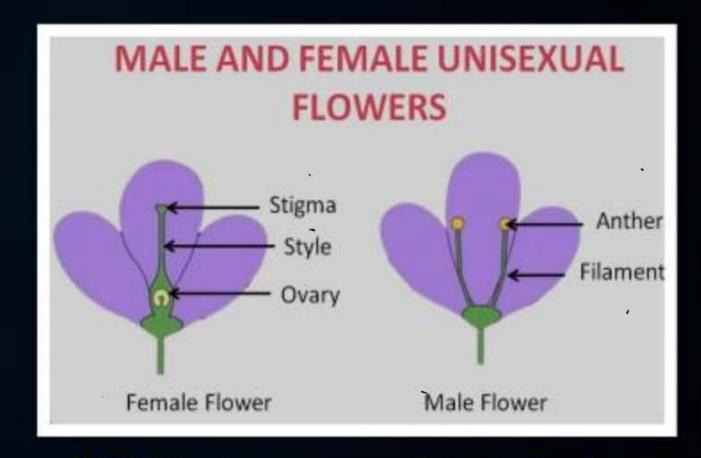
Types of flower



Bisexual flower

Unisexual flower





Pistillate flower

Staminate flower

When Someone ask what was

By

Example of a bisexual flower



Types of flower

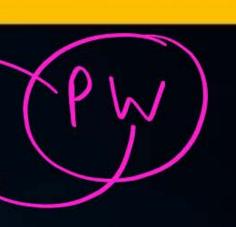


Bisexual flower

- Rose
- Hibiscus [China Pose]
- Mustard
- pea
- J' Tomato Bade Mazedaar
- Brinjal 4 Bisexual
- Mango
- Sunflower
- Tulip

Unisexual flower

- Papaya
- Watermelon
- Coconut
- Cucumber
- ✓ Maize
- Castor bean
- Musk melon









Identify the following type of flower

- A Staminate flower
- Pistilate flower
- Bisexual flower
- None of these



Which of the following is an example of bisexual flower?

Papaya

Watermelon

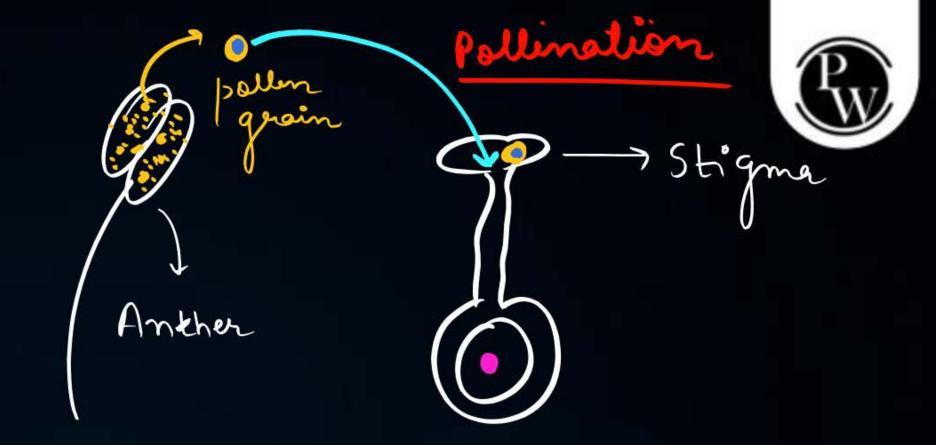
C
Hibiscus

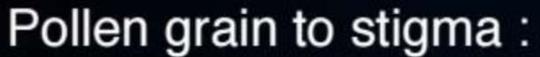
Coconut



Pollination

Transfer of sollen grains from anther to Stigma



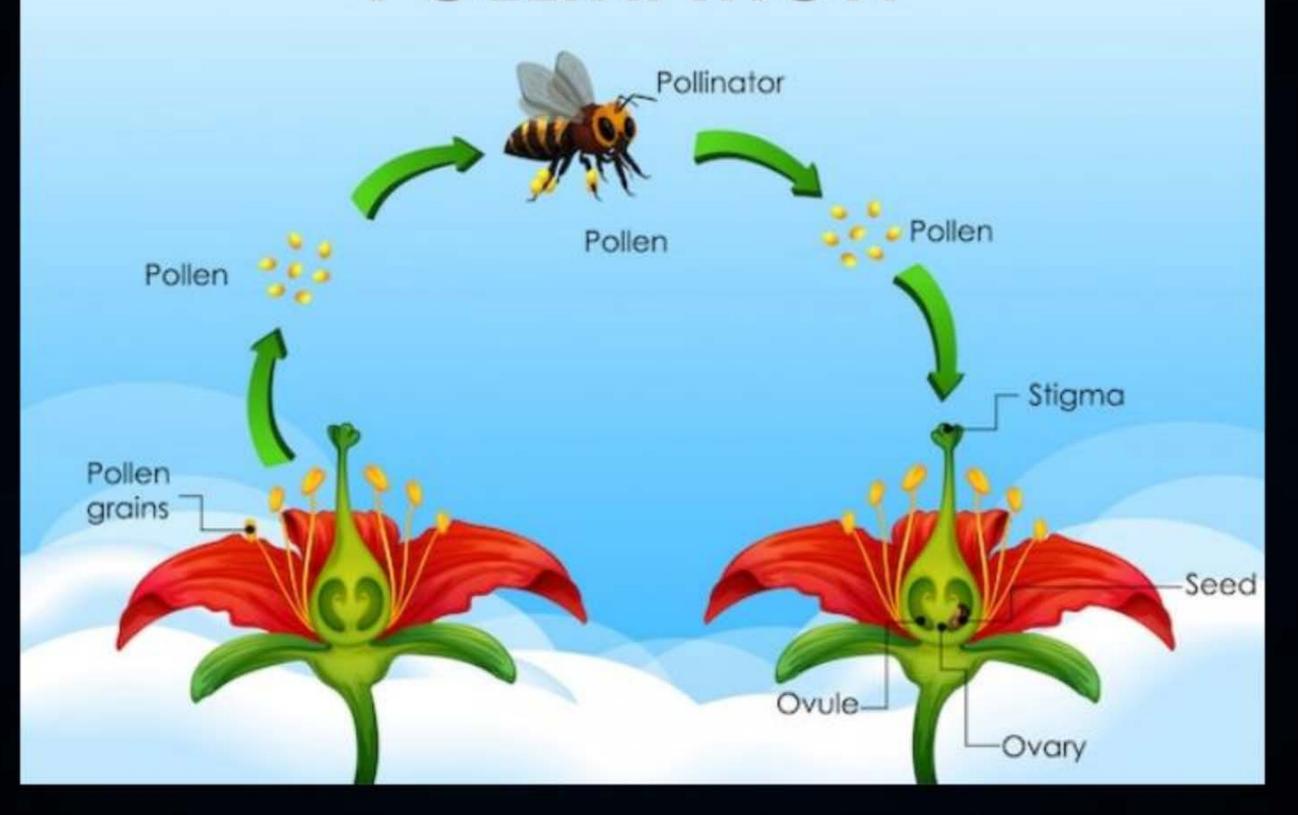






POLLINATION





Types of Pollination



Self pollination

 Transfer of the pollen grains from the anther to the stigma of either the same flower or another flower on the same plant.

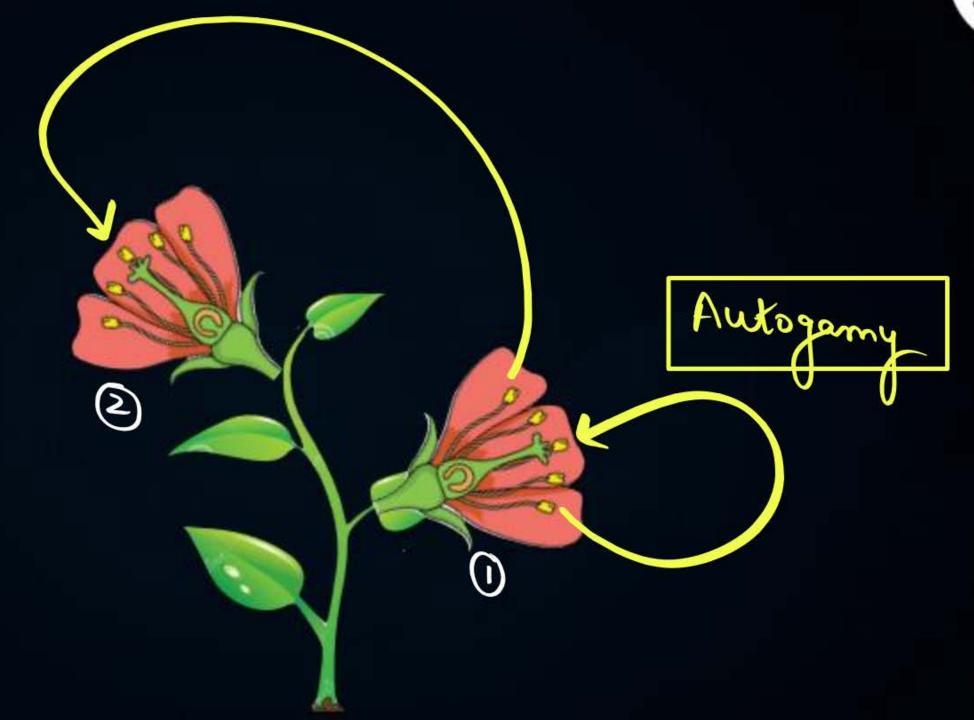
Cross pollination

 Transfer of the pollen grains from the anther of one flower to the stigma of another flower borne on a different plant of the same species.

Self pollination

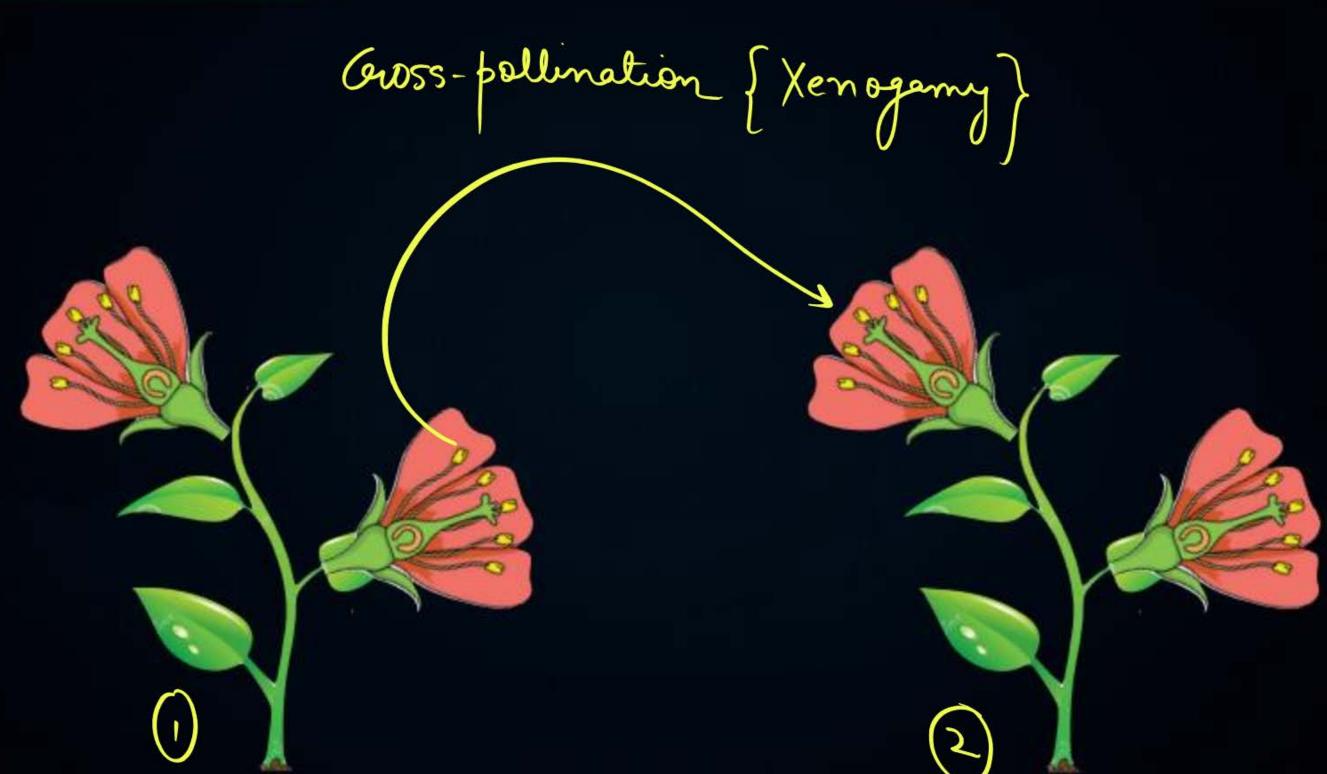
®

Geitonogamy



Cross pollination

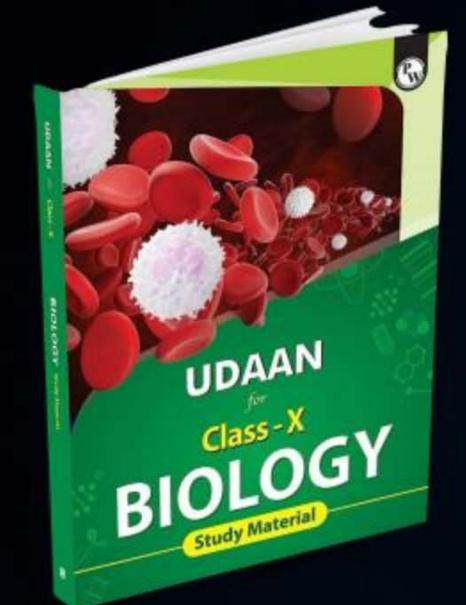






Which part of flower gets converted into fruit after fertilisation?

- A Ovule
- Ovary fuit
- Stigma
- Pollen grains



Homework



FROM PW MODULE (udaan - CLASS 10)

PAGE: 42-Q-26, Q-21



Question of the Day



Largest flower of the world



Joke/Meme of the Day



7 Insect





तुम बहुत मस्त काम करता है

