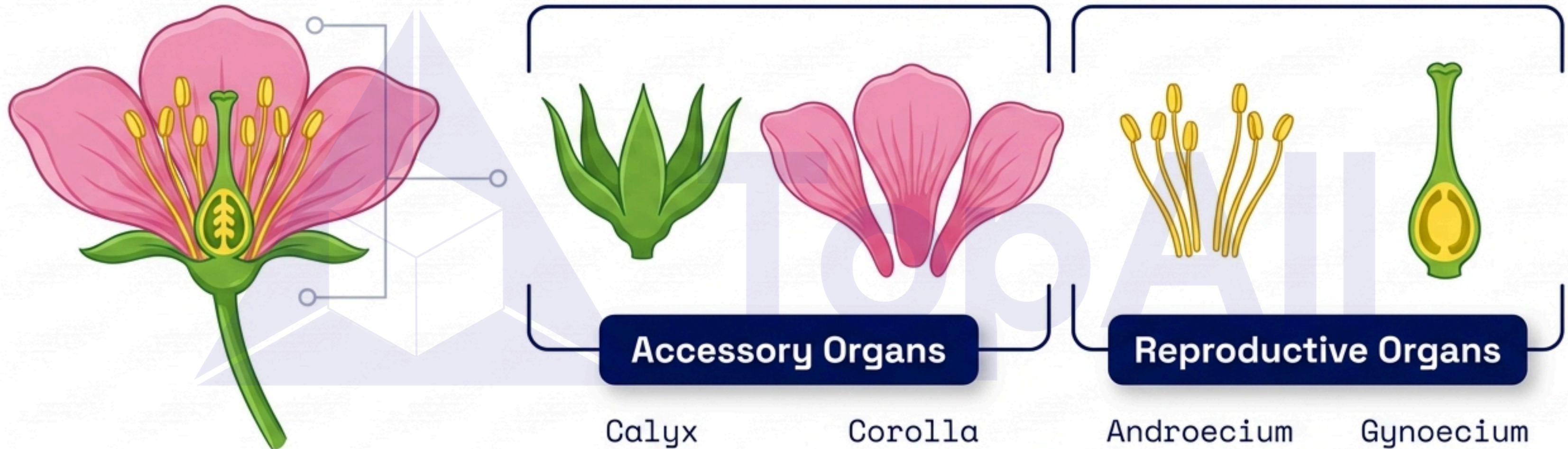


The Four Floral Whorls

Arranged successively on the swollen end of the stalk (thalamus or receptacle).



Key Takeaway: The floral whorls are arranged in a strict structural sequence from the outermost protective layers to the innermost reproductive core.

The Calyx: Outermost Whorl

Composed of individual members called sepals. Generally green and leaf-like, serving to protect the flower during the bud stage.

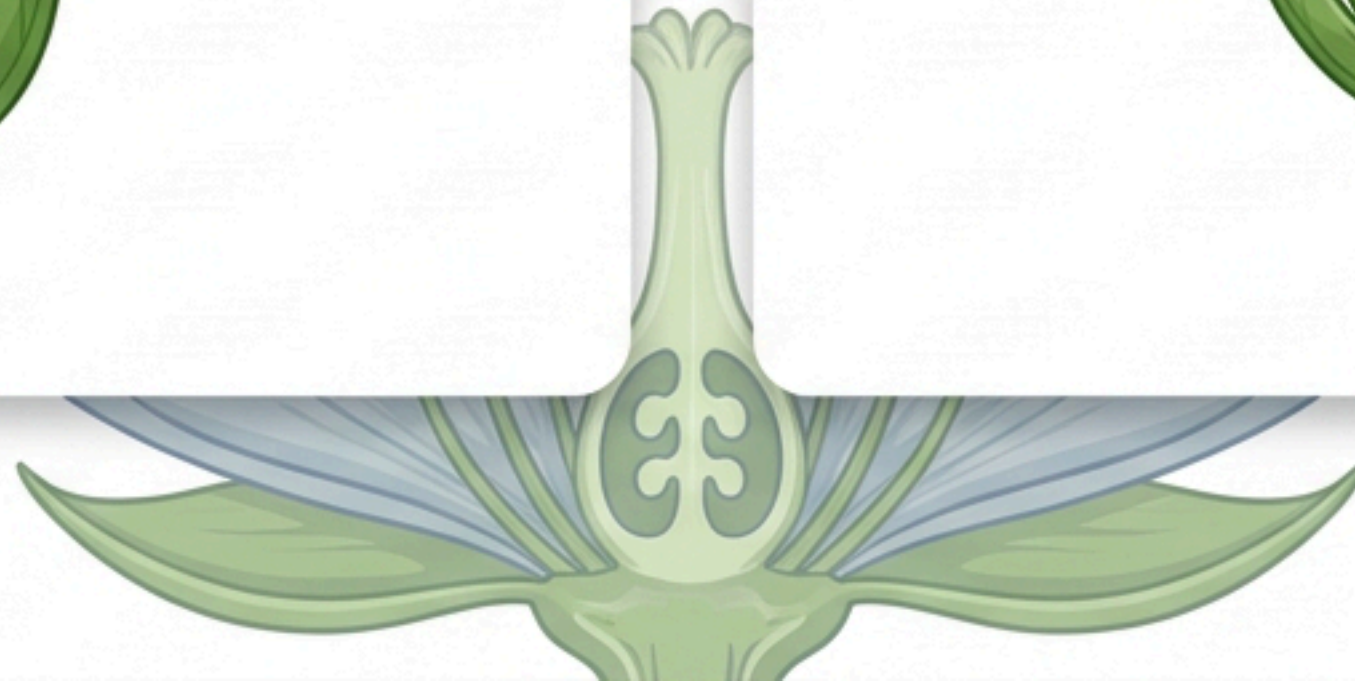
Gamosepalous

Sepals are united/fused.



Polysepalous

Sepals are free/separate.





You've Learned the Theory. Let's Test Them Now.

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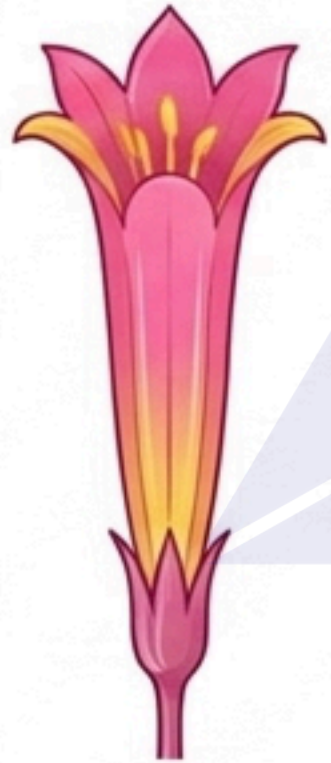
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The Corolla: Second Whorl

Composed of petals. Brightly colored to attract insects for pollination.



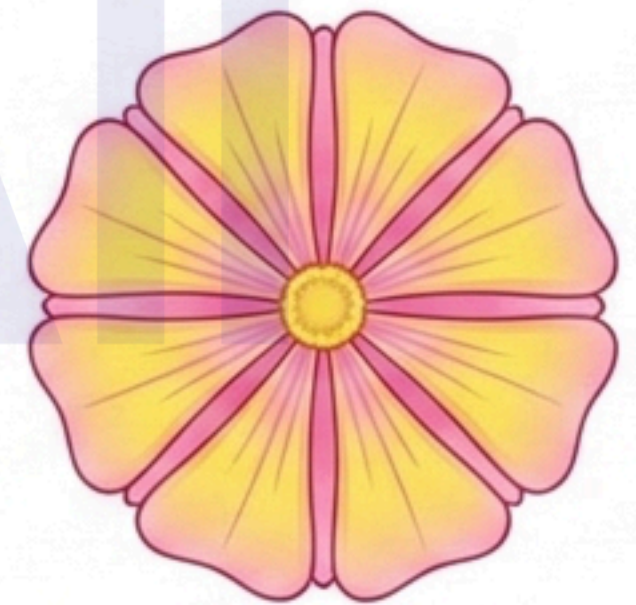
Tubular



Bell-shaped



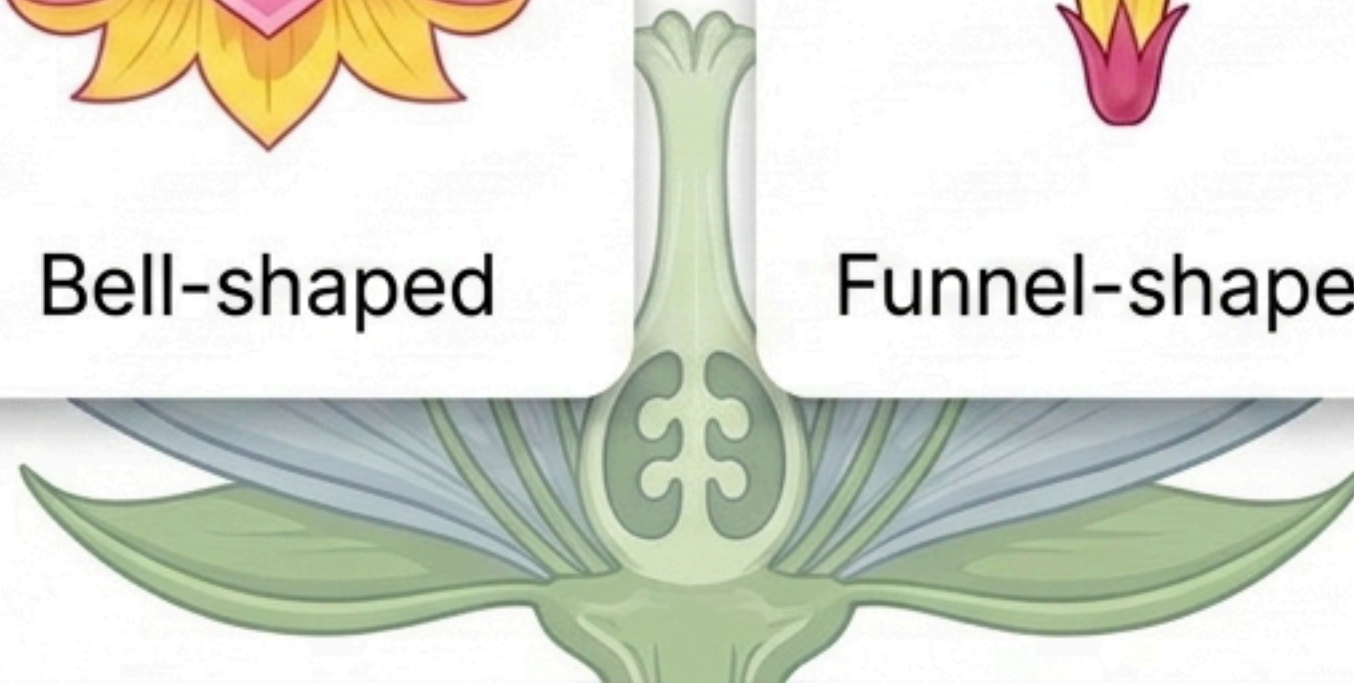
Funnel-shaped



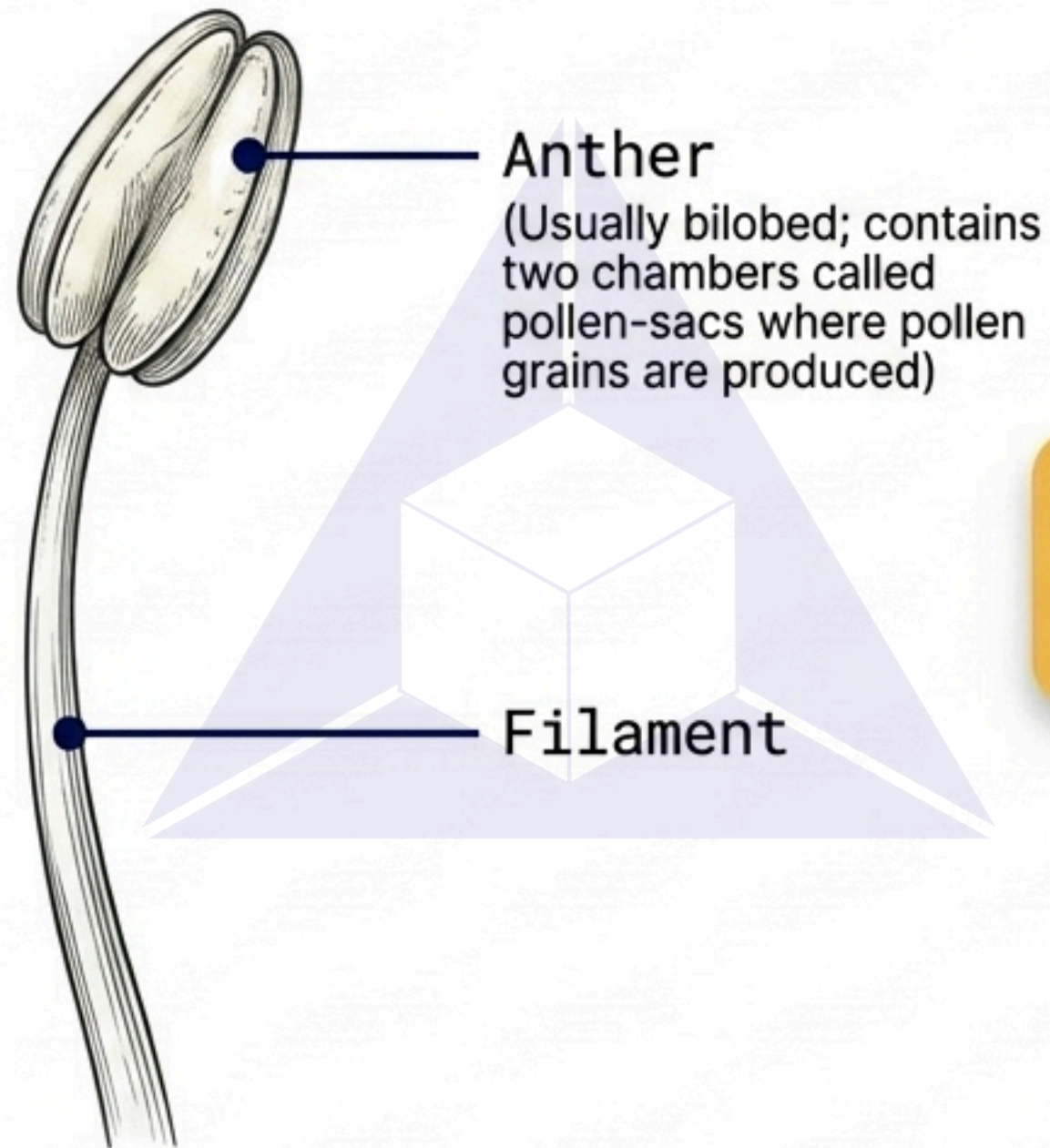
Wheel-shaped

Gamopetalous:
Petals united

Polypetalous:
Petals free



The Androecium: Male Organ



Note: A sterile stamen is known as a staminode.

Types of Fusion

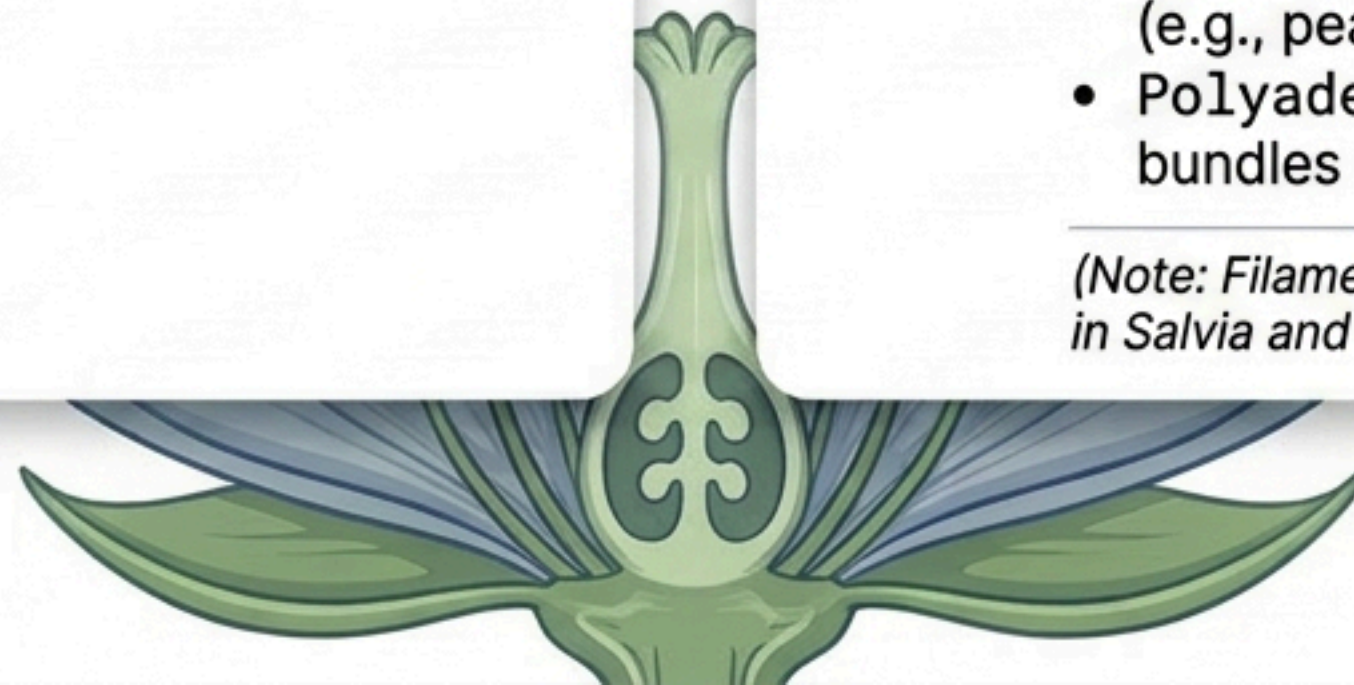
Attachment Variations

- Epipetalous: Attached to petals (e.g., (e.g., brinjal)
- Epiphyllous: Attached to the perianth (e.g., lily)

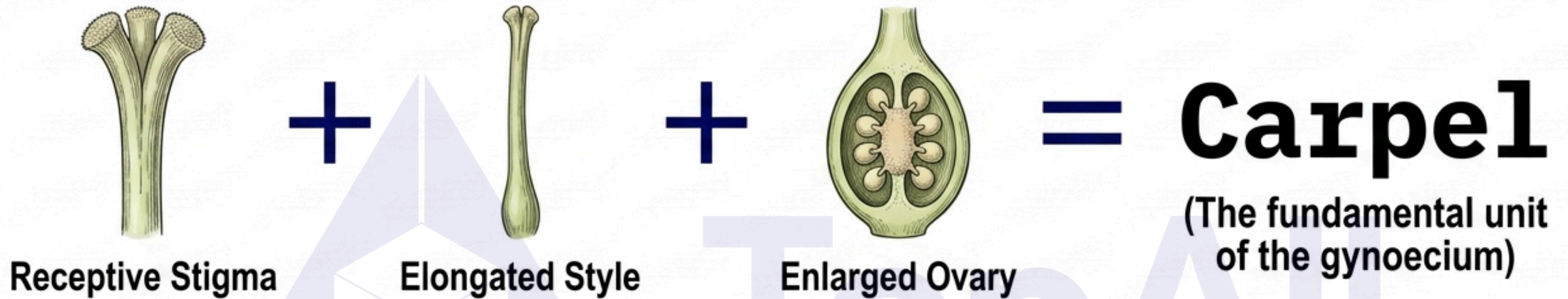
Bundling (Adelphy) Variations

- Monodelphous: United into one bunch/bundle (e.g., china rose)
- Diadelphous: United into two bundles (e.g., pea)
- Polyadelphous: United into more than two bundles (e.g., citrus)

(Note: Filament length can also vary within a flower, as in Salvia and mustard).



The Gynoecium: Female Organ



Apocarpous

Carpels are free. Example: Lotus, Rose.

Syncarpous

Carpels are fused. Example: Mustard, Tomato.

Post-Fertilization: The ovules develop into seeds, and the ovary matures into a fruit.



You've Learned the Theory.

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