



Padalsalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

- Padalsalai's NEWS - Group
https://t.me/joinchat/NIfCqVRBNj9hhV4wu6_NqA
- Padalsalai's Channel - Group
<https://t.me/padasalaichannel>
- Lesson Plan - Group
<https://t.me/joinchat/NIfCqVWwo5iL-21gpzrXLw>
- 12th Standard - Group
https://t.me/Padalsalai_12th
- 11th Standard - Group
https://t.me/Padalsalai_11th
- 10th Standard - Group
https://t.me/Padalsalai_10th
- 9th Standard - Group
https://t.me/Padalsalai_9th
- 6th to 8th Standard - Group
https://t.me/Padalsalai_6to8
- 1st to 5th Standard - Group
https://t.me/Padalsalai_1to5
- TET - Group
https://t.me/Padalsalai_TET
- PGTRB - Group
https://t.me/Padalsalai_PGTRB
- TNPSC - Group
https://t.me/Padalsalai_TNPSC

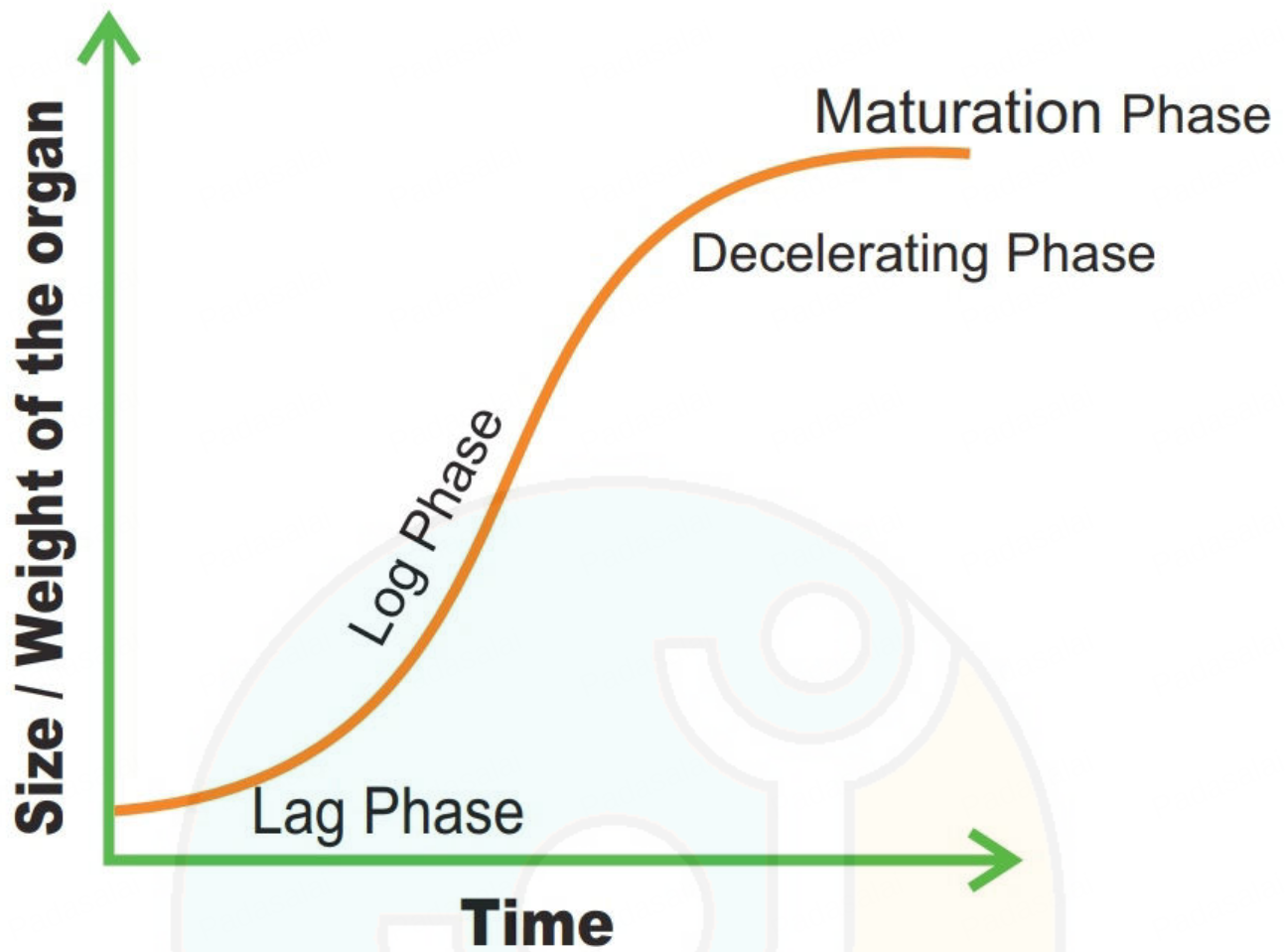


Figure 15.2: Stages in growth rate

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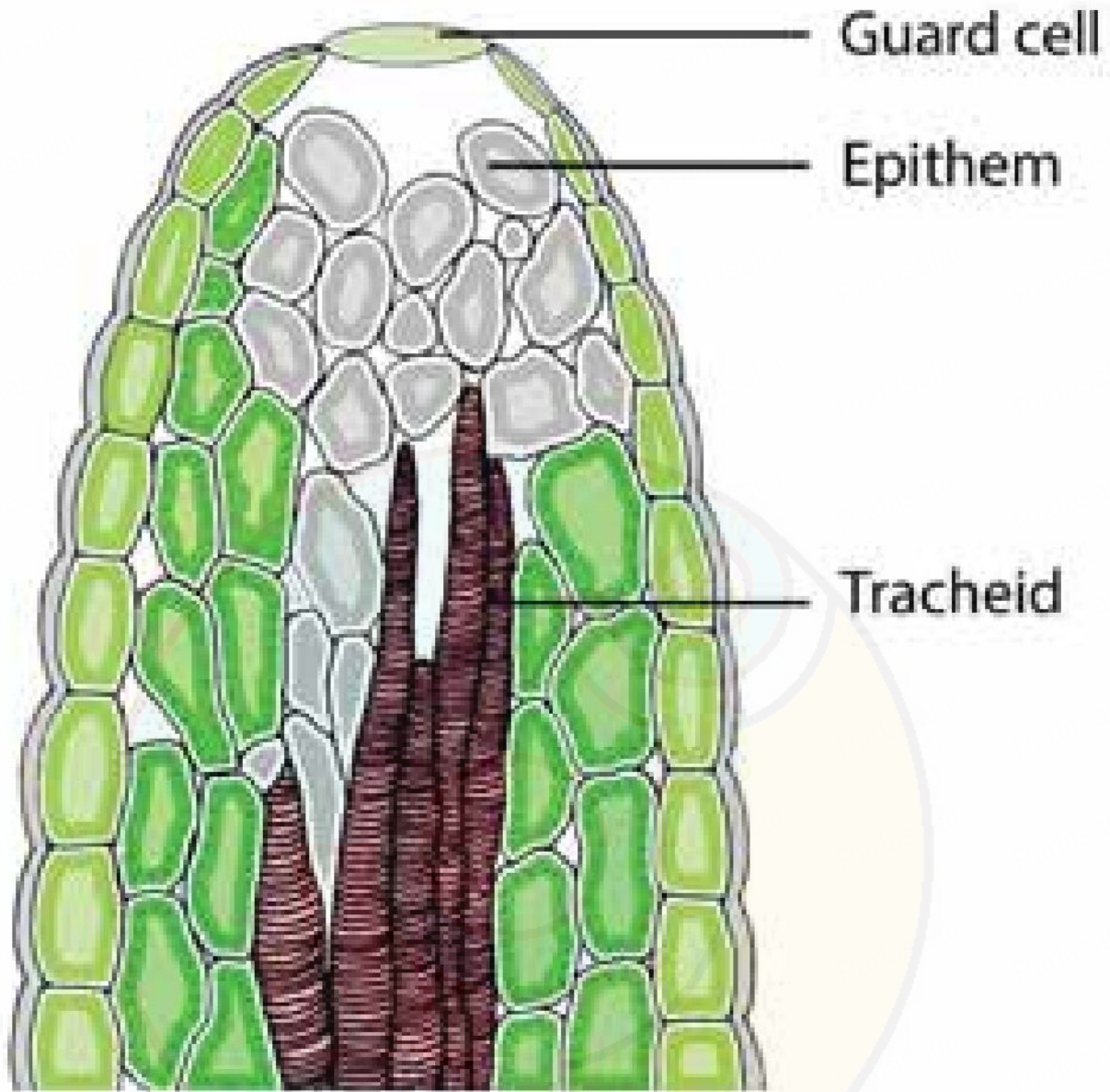


Figure 11.18: Structure of Hydathode

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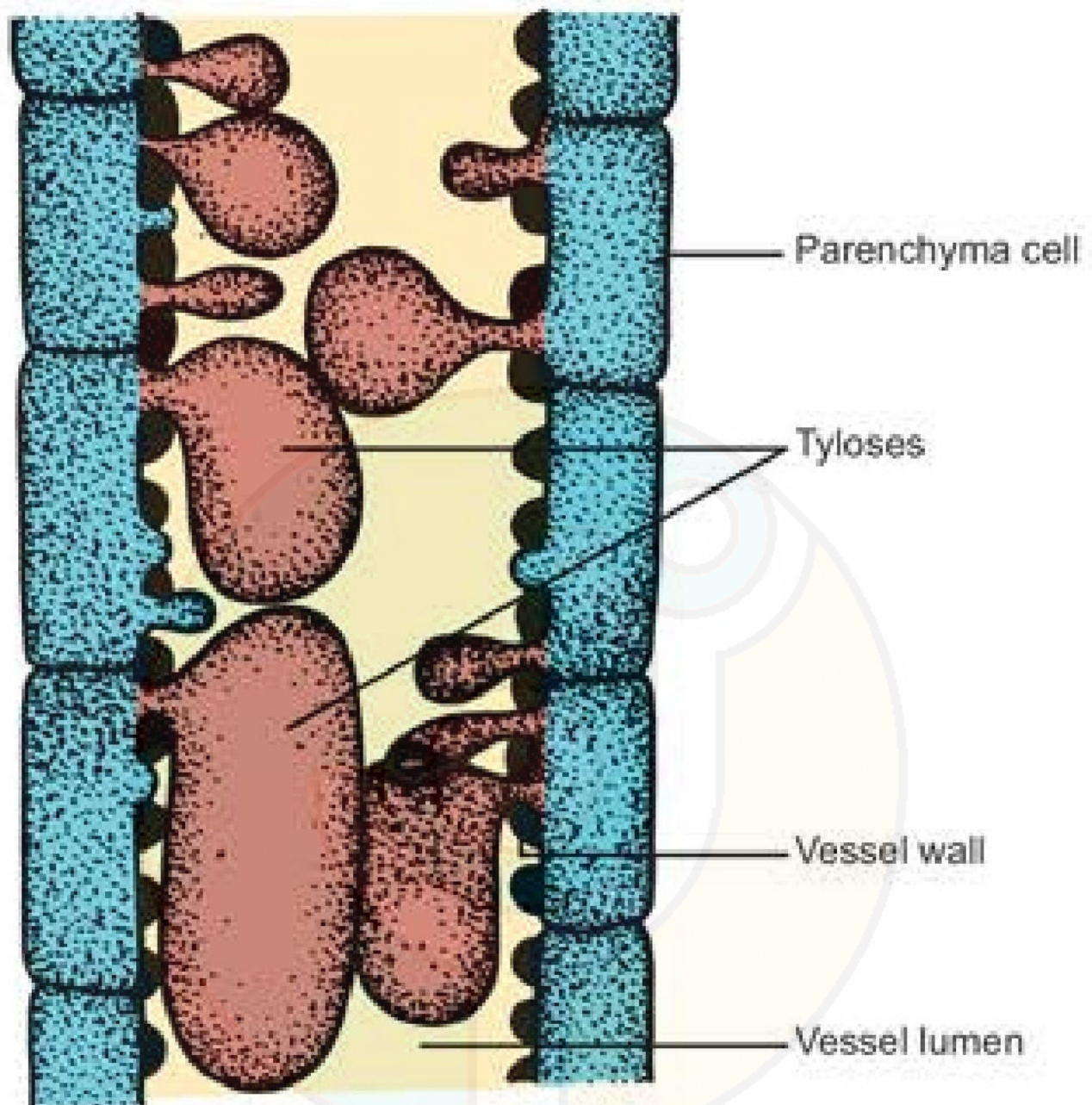


Figure 10.9: Structure of tyloses

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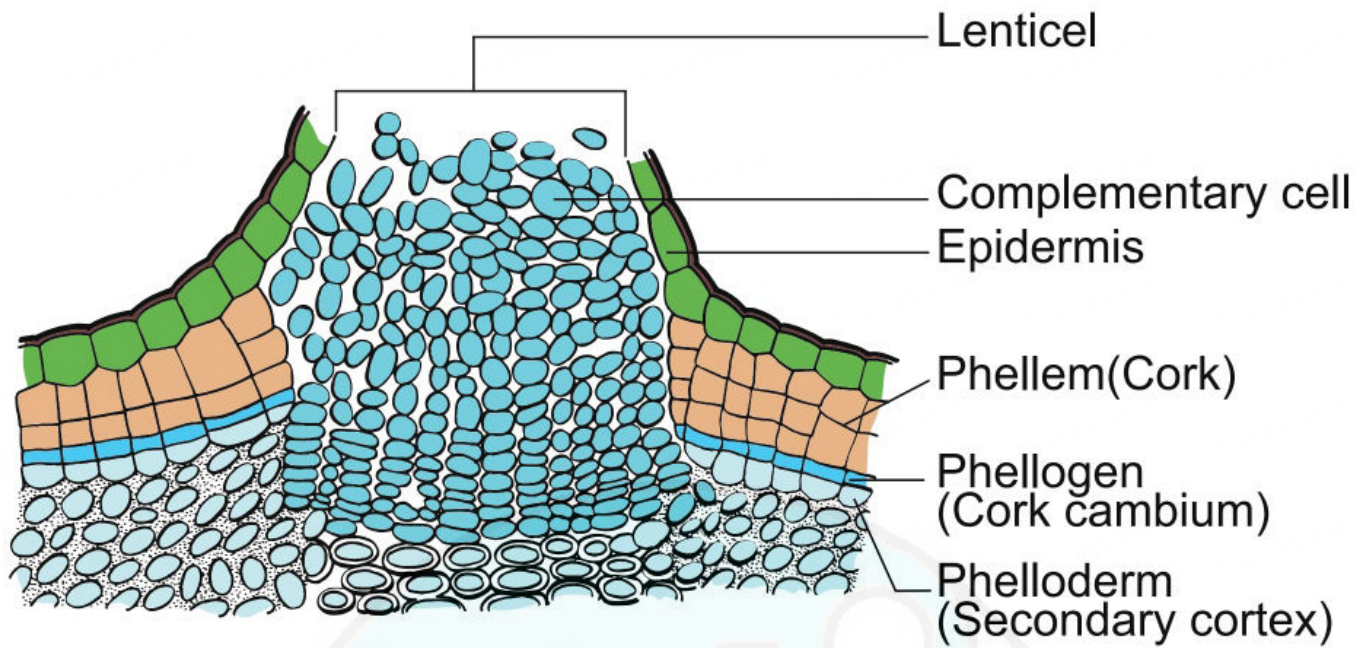


Figure 10.16: Structure of Lenticel

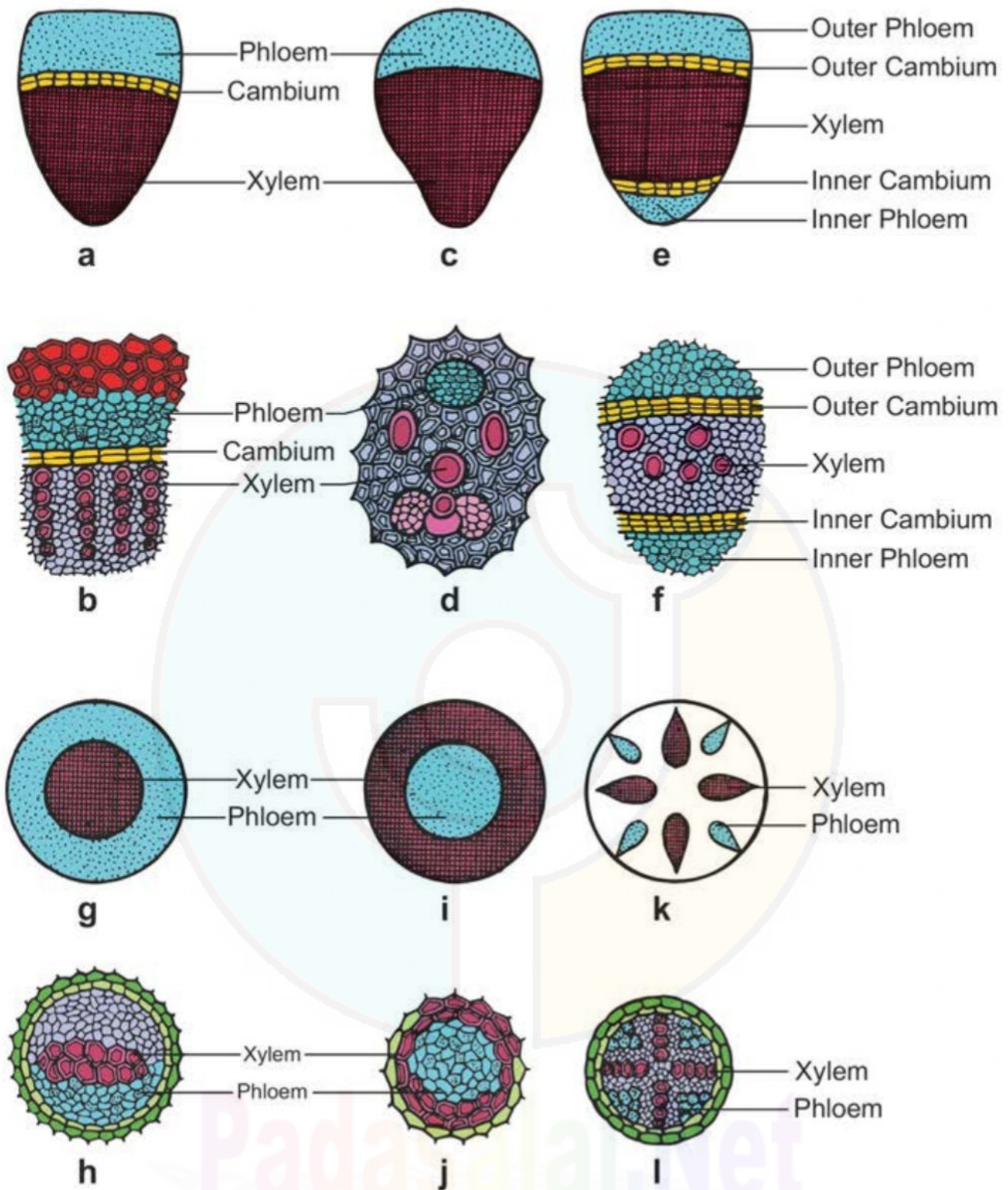


Figure 9.18: Types of vascular bundles

(a) and (b) - Conjoint, collateral and open; (c) and (d) - Conjoint, collateral and closed
 (e) and (f) - Conjoint, bicollateral and open; (g) and (h) - Concentric and amphi-cribral;
 (i) and (j) - Concentric and amphivasal; (k) and (l) - Radial

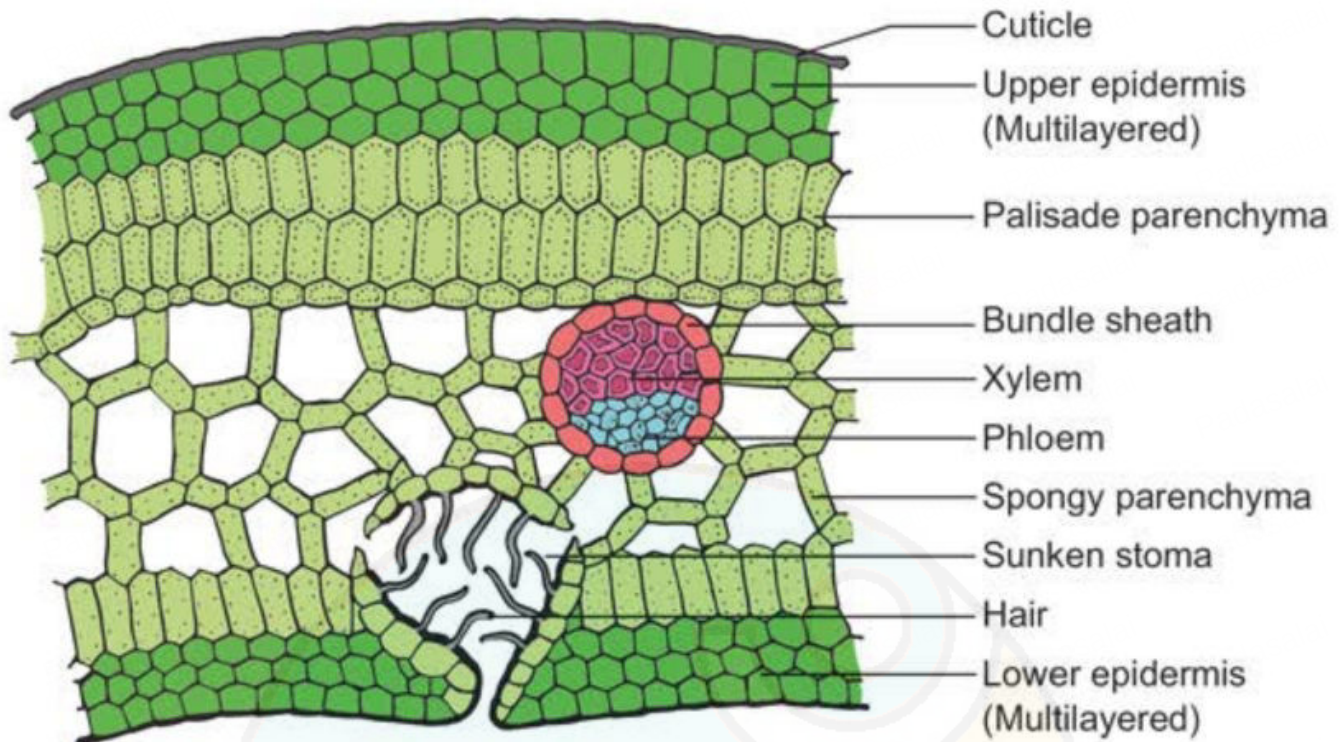
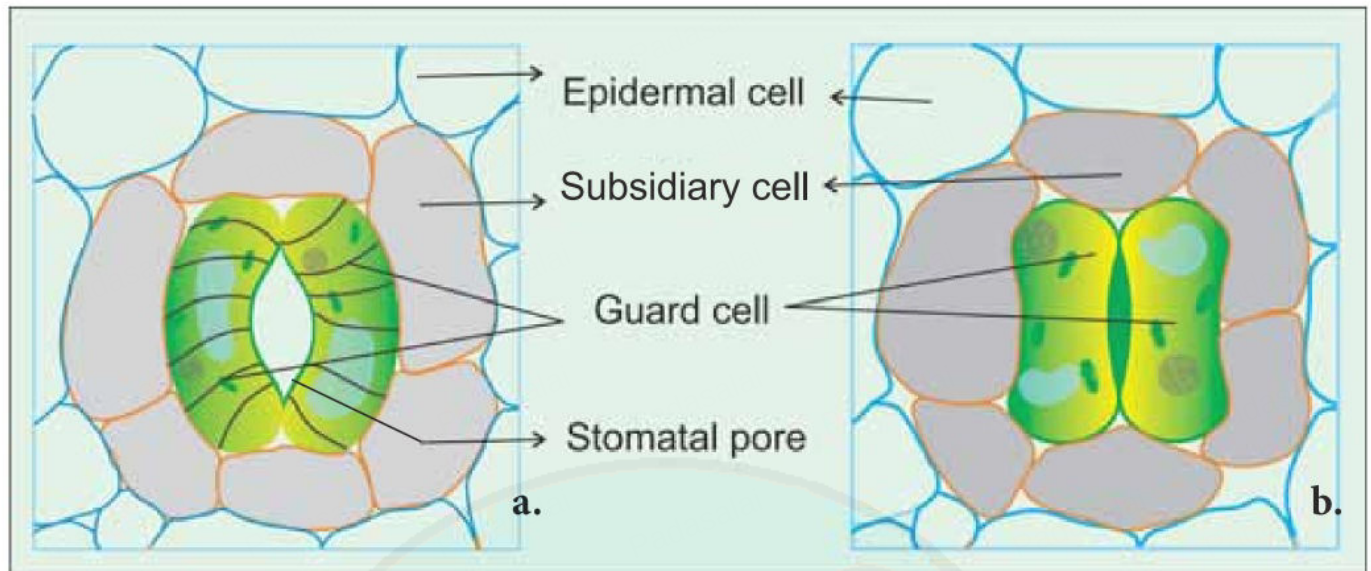


Figure 9.15: T.S. of *Nerium* Leaf

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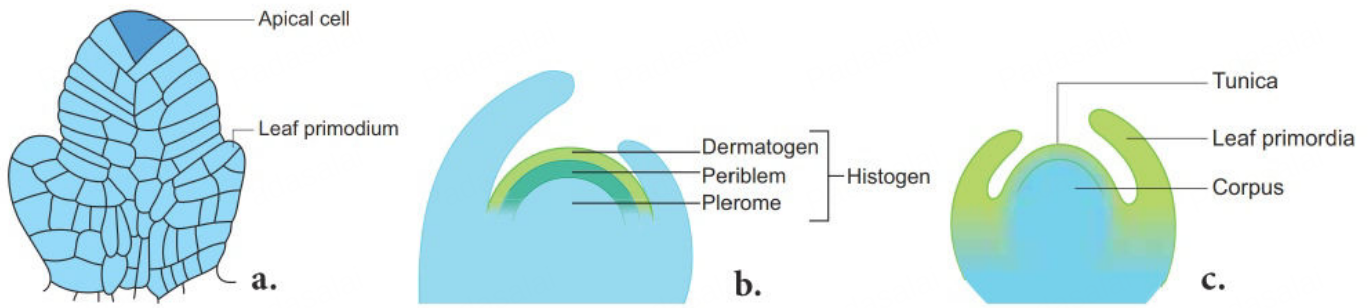


Figure 9.2: Shoot apical meristem a) Apical cell theory, b) Histogen theory, c) Shoot Tunica corpus theory



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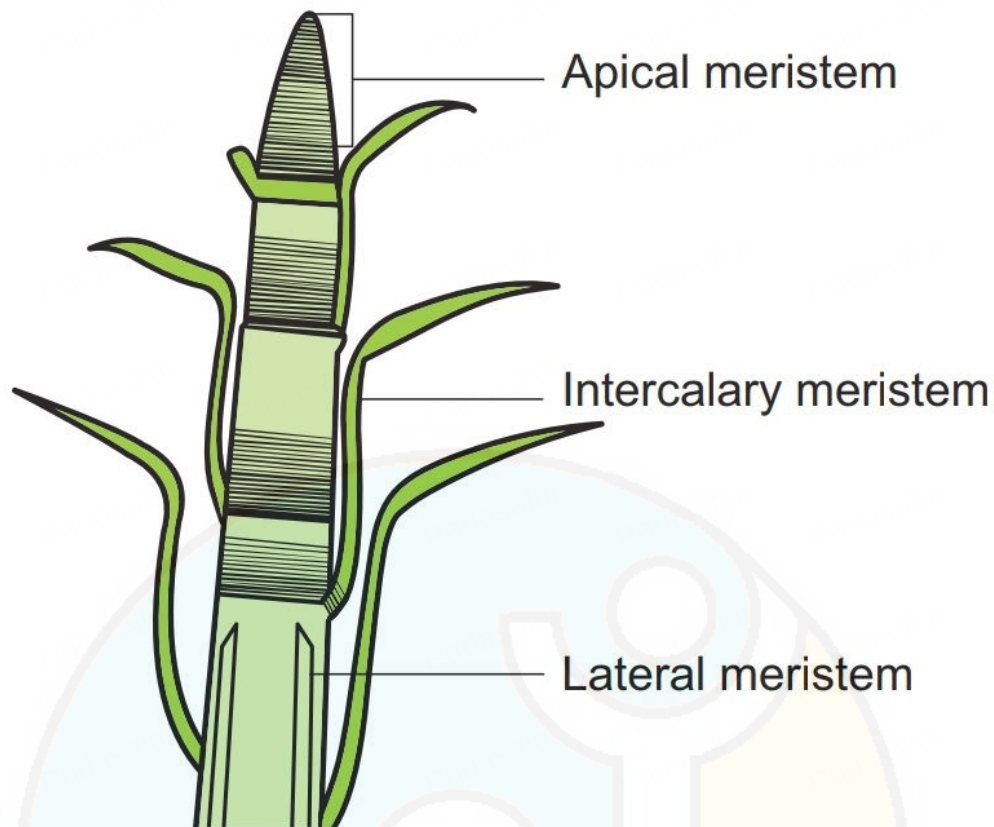


Figure 9.1: Different types of meristems on the basis of position in plant body

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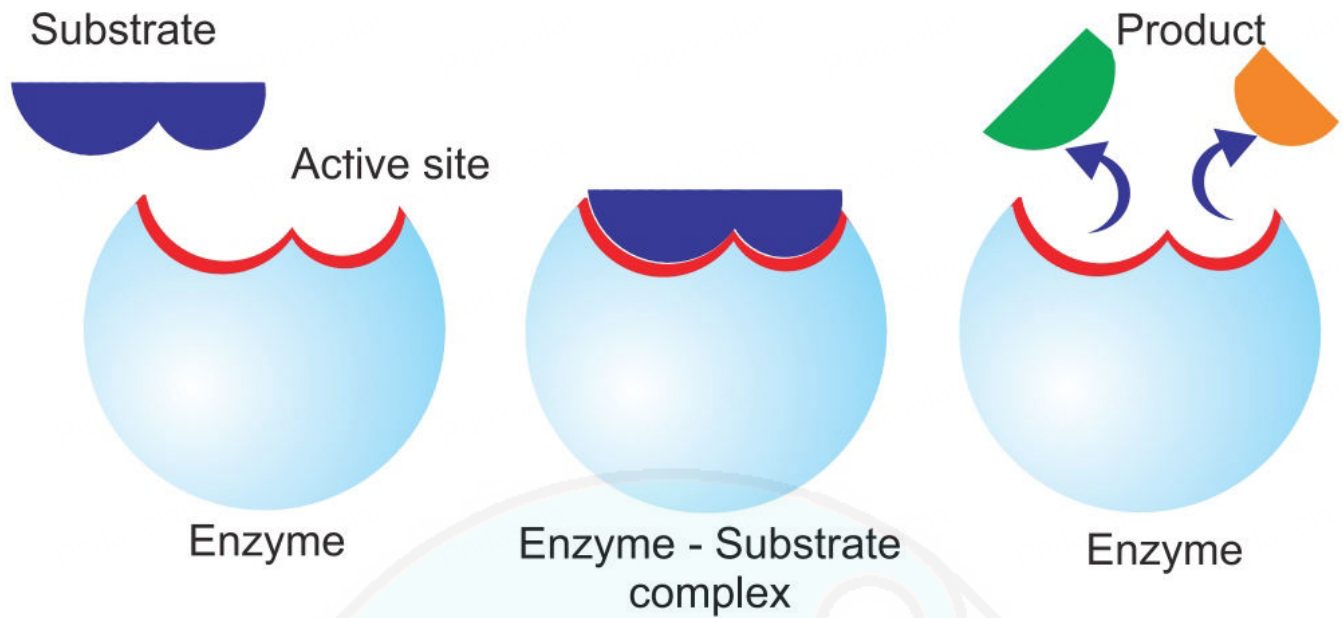


Figure 8.30: Enzyme mechanism

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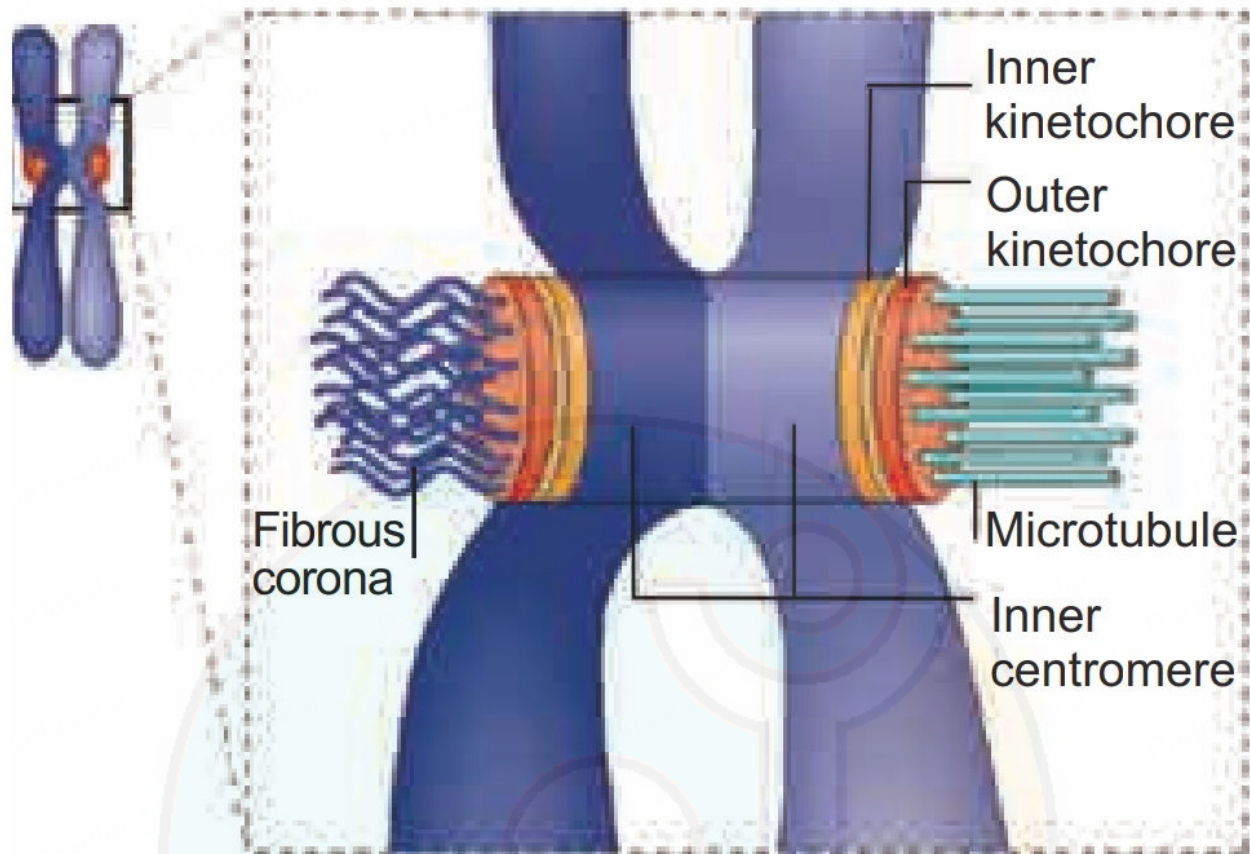


Figure 7.4: Centromere

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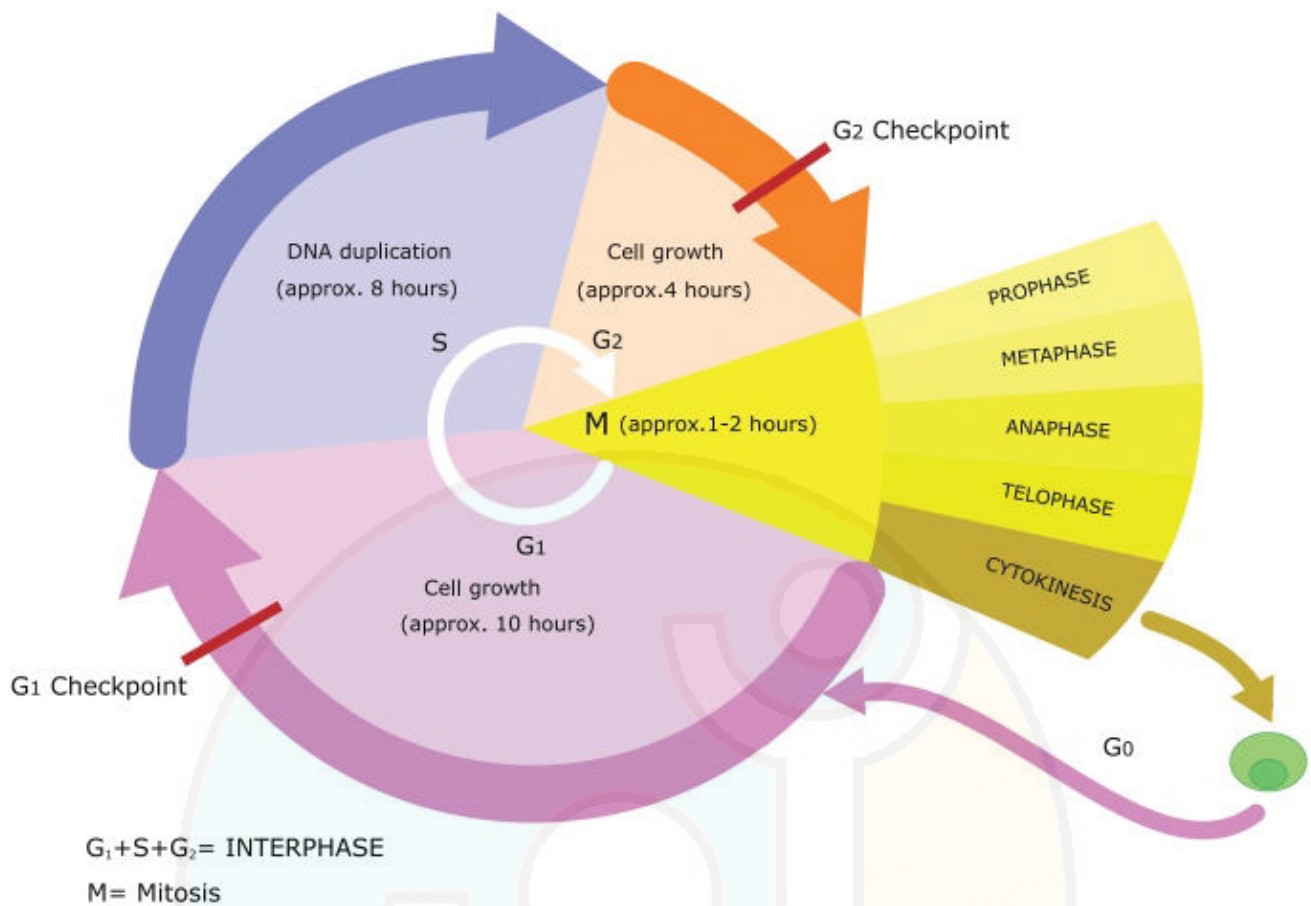


Figure 7.1: Cell cycle

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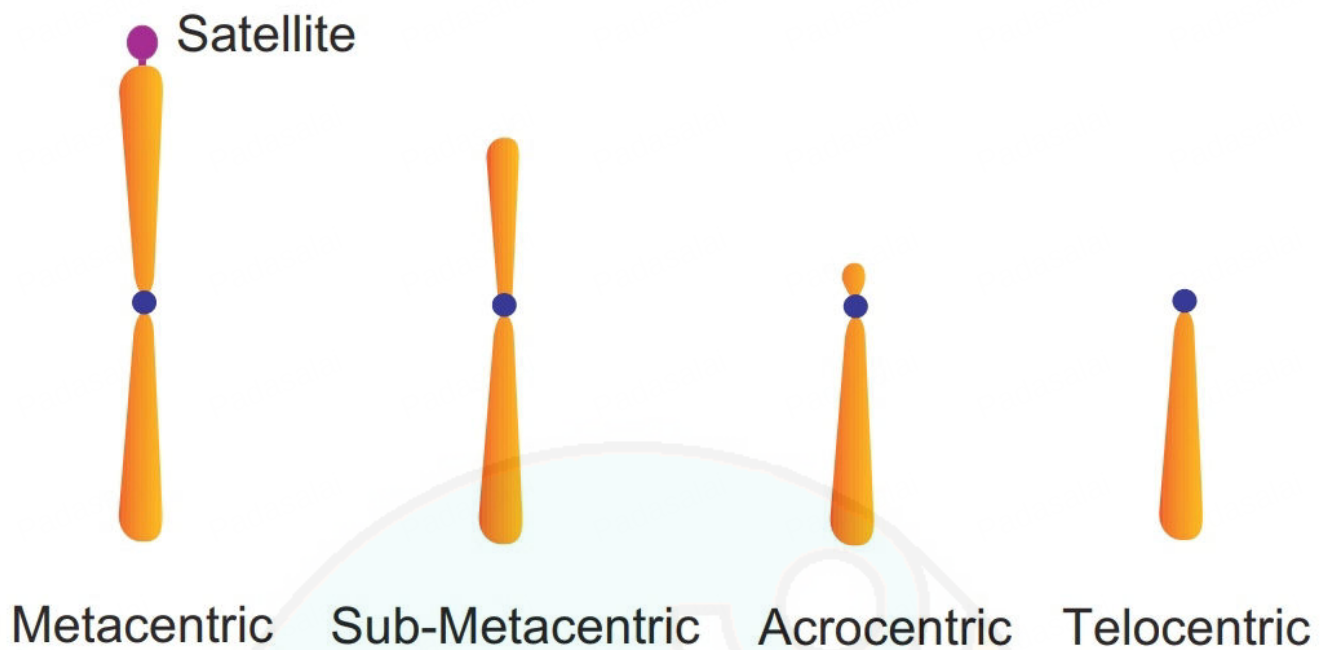


Figure 6.27: Types of chromosomes based on centromere

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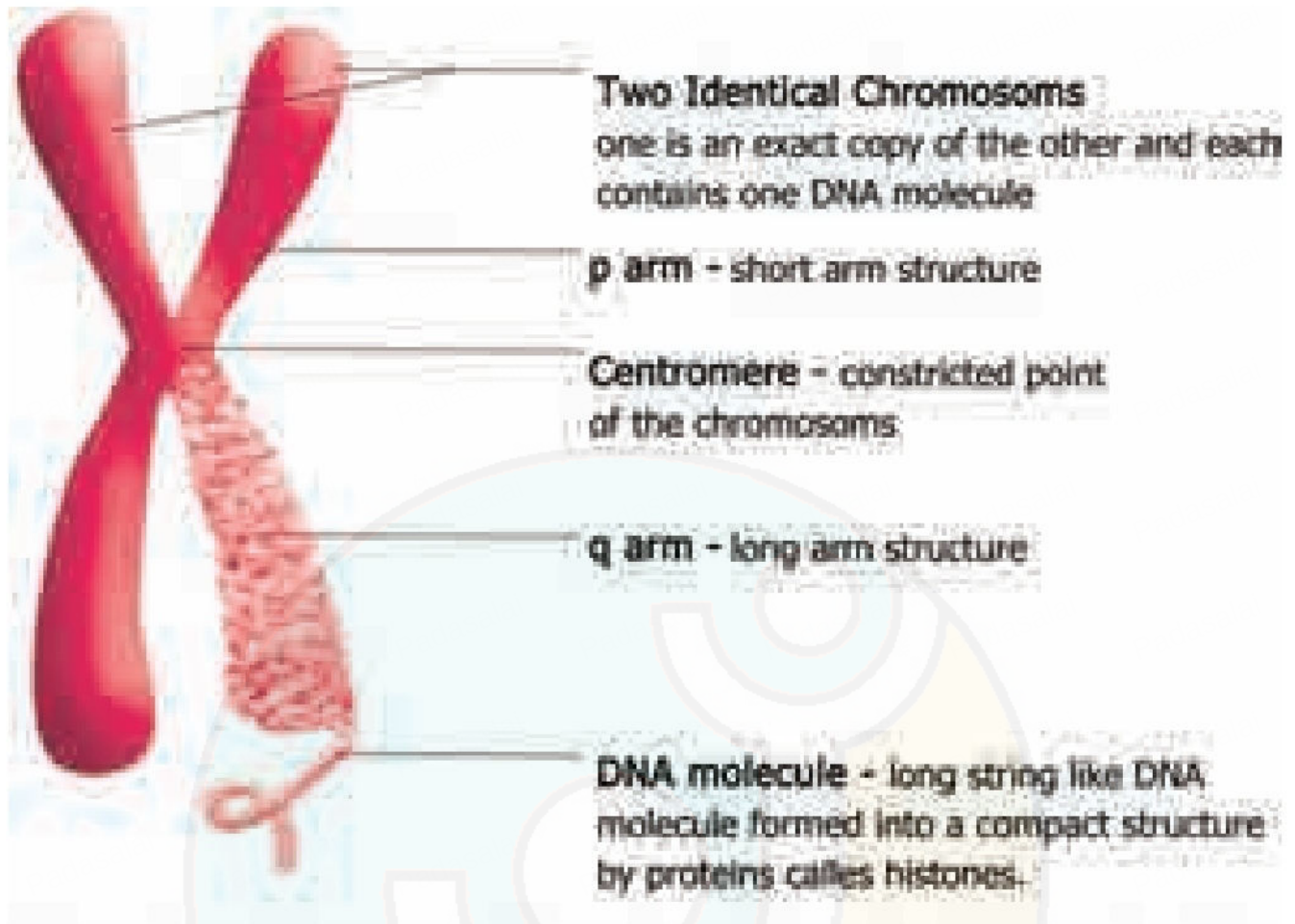


Figure 6.26: Structure of a Chromosome

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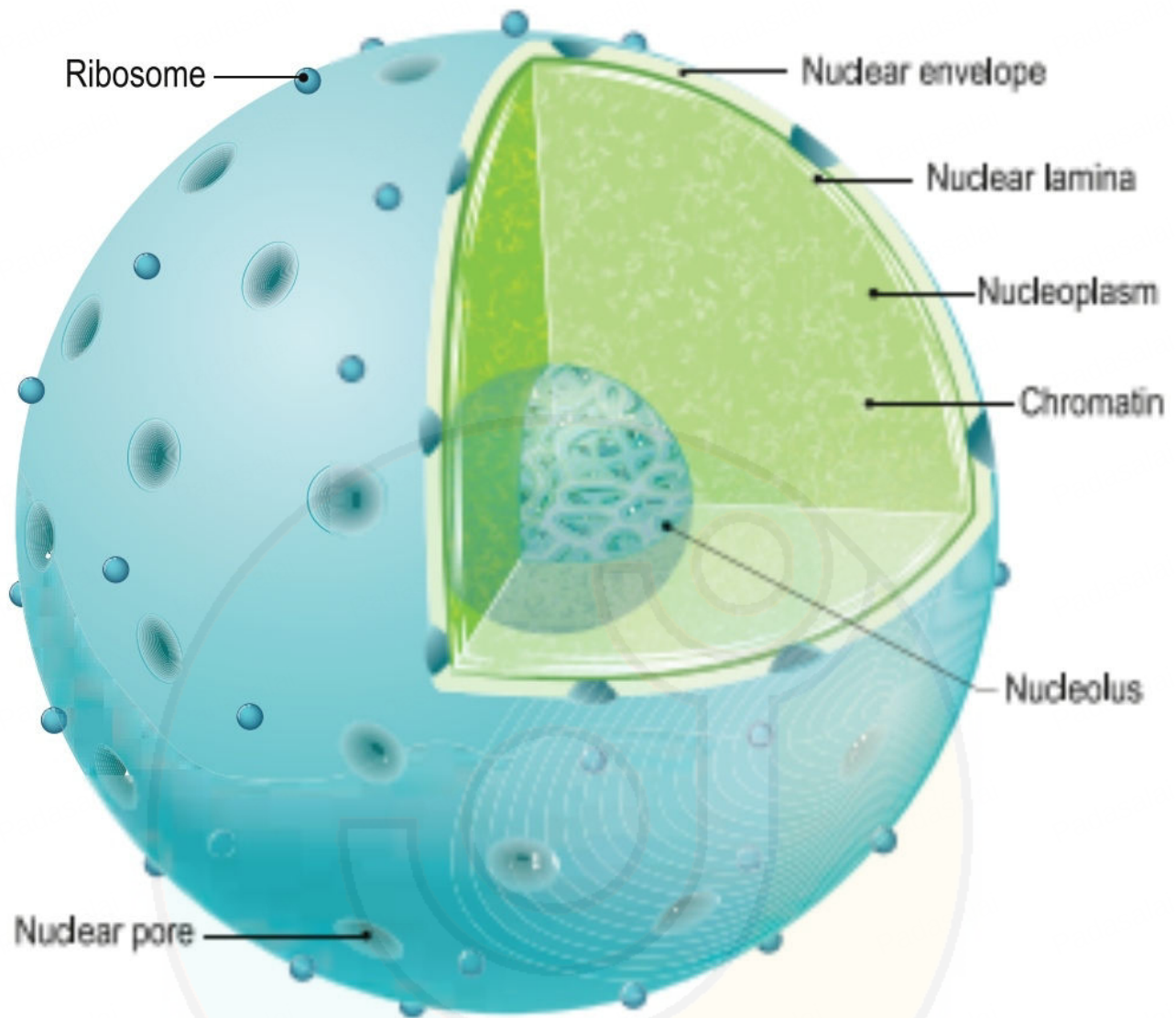


Figure 6.25: Structure of a Nucleus

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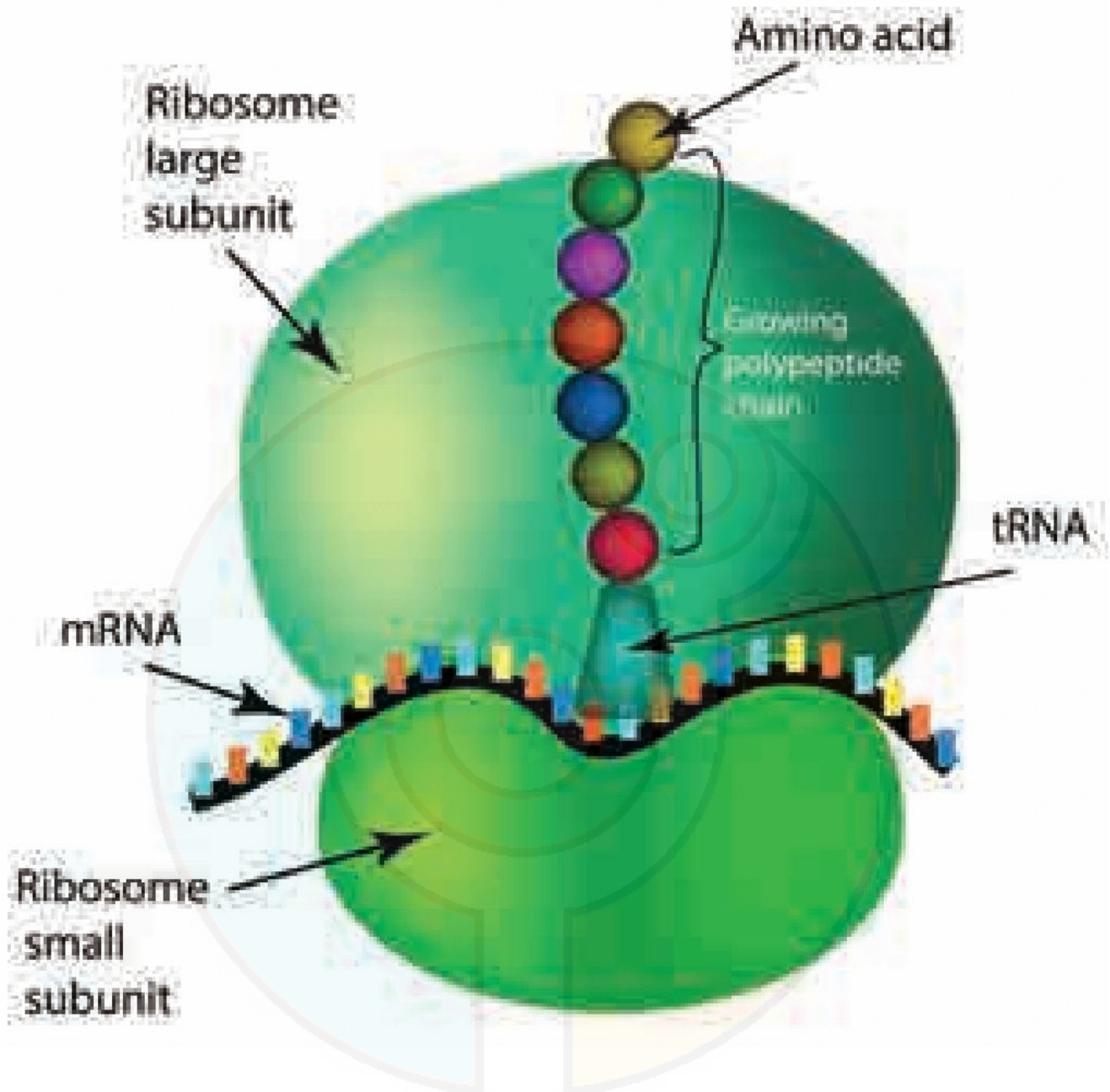


Figure 6.20: Structure of Ribosomes

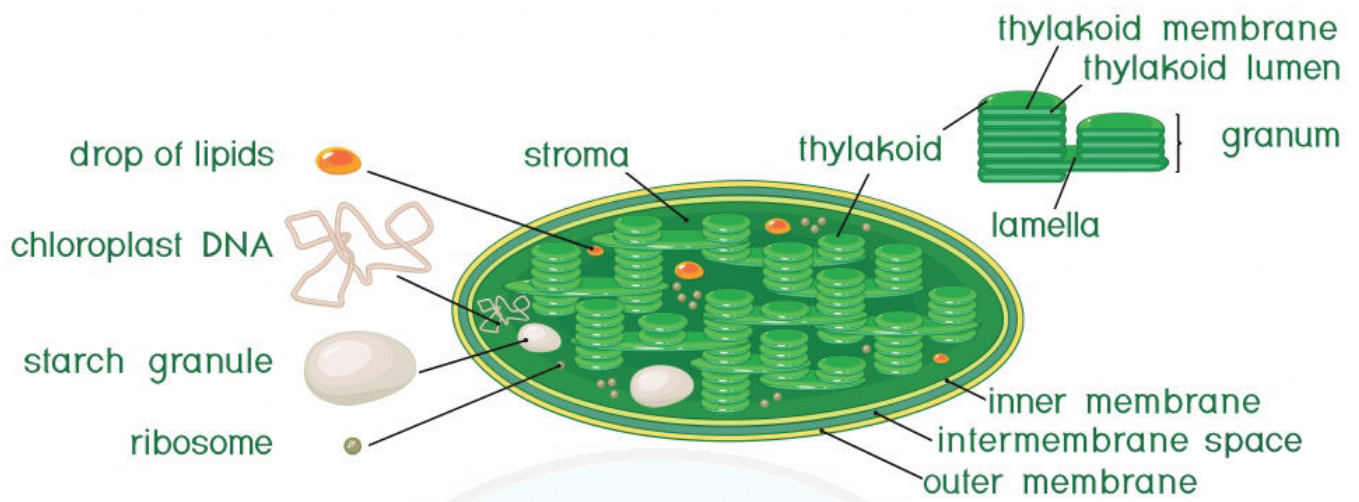


Figure 6.19: Structure of Chloroplast



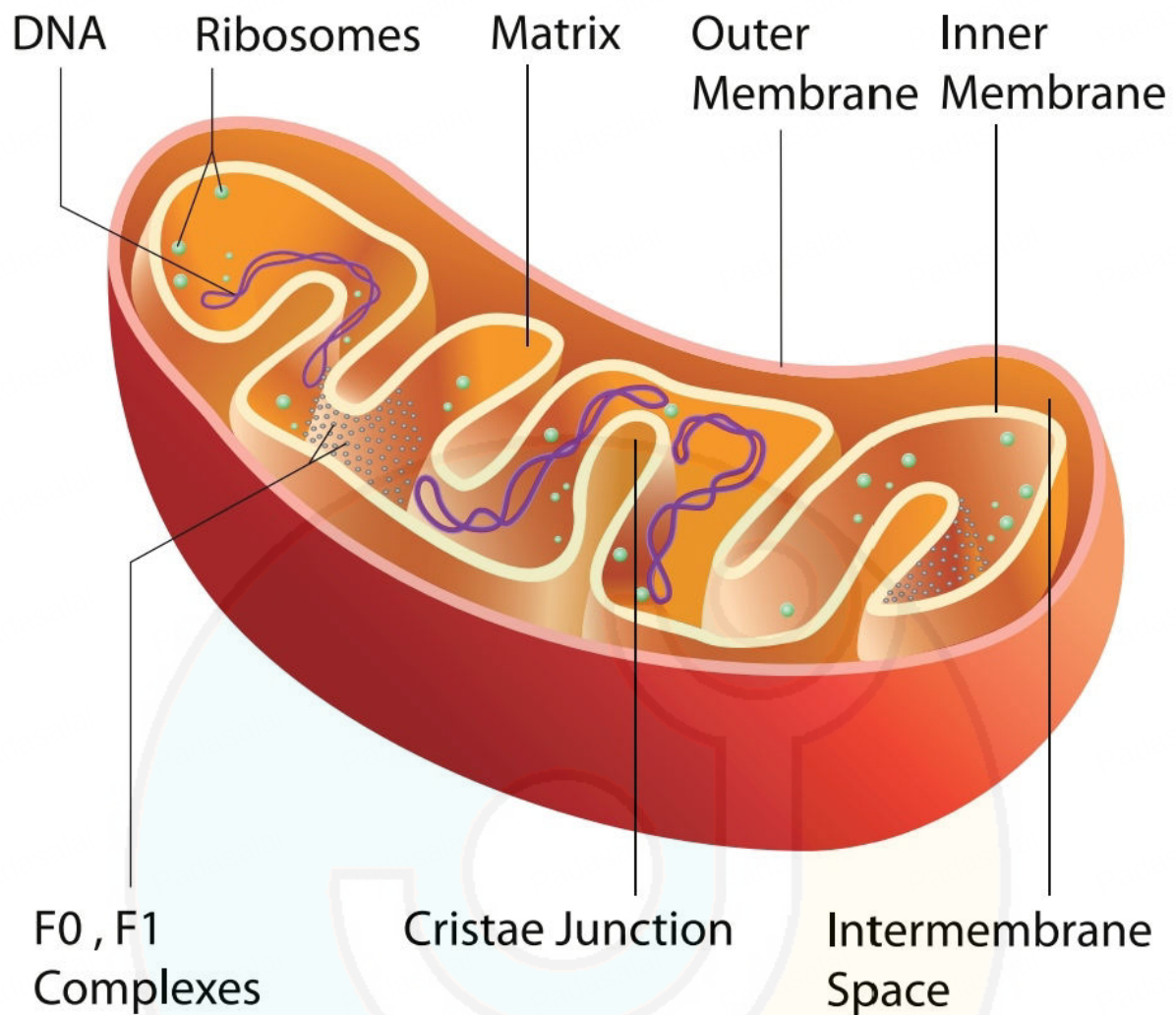


Figure 6.18: Structure of Mitochondria

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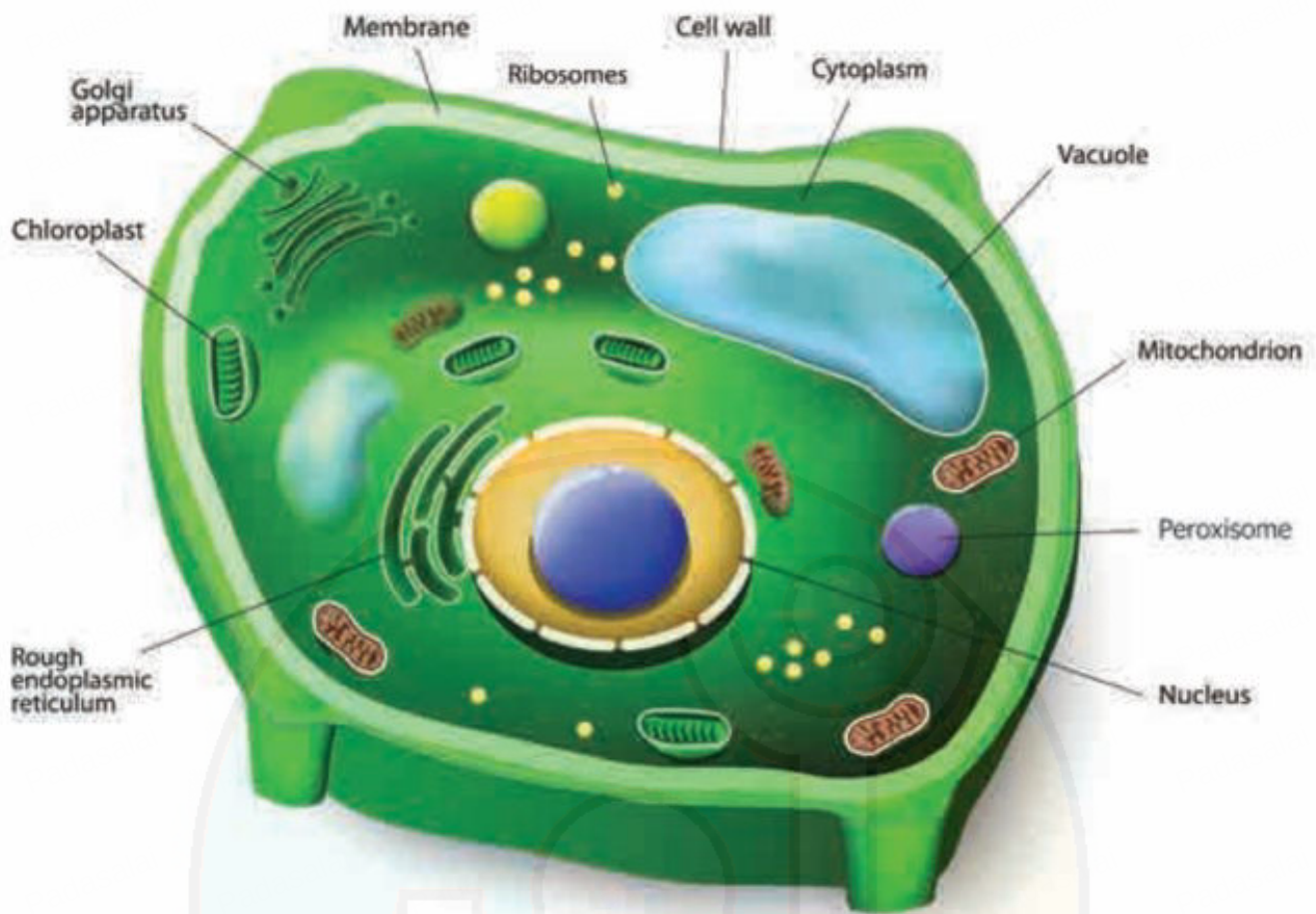
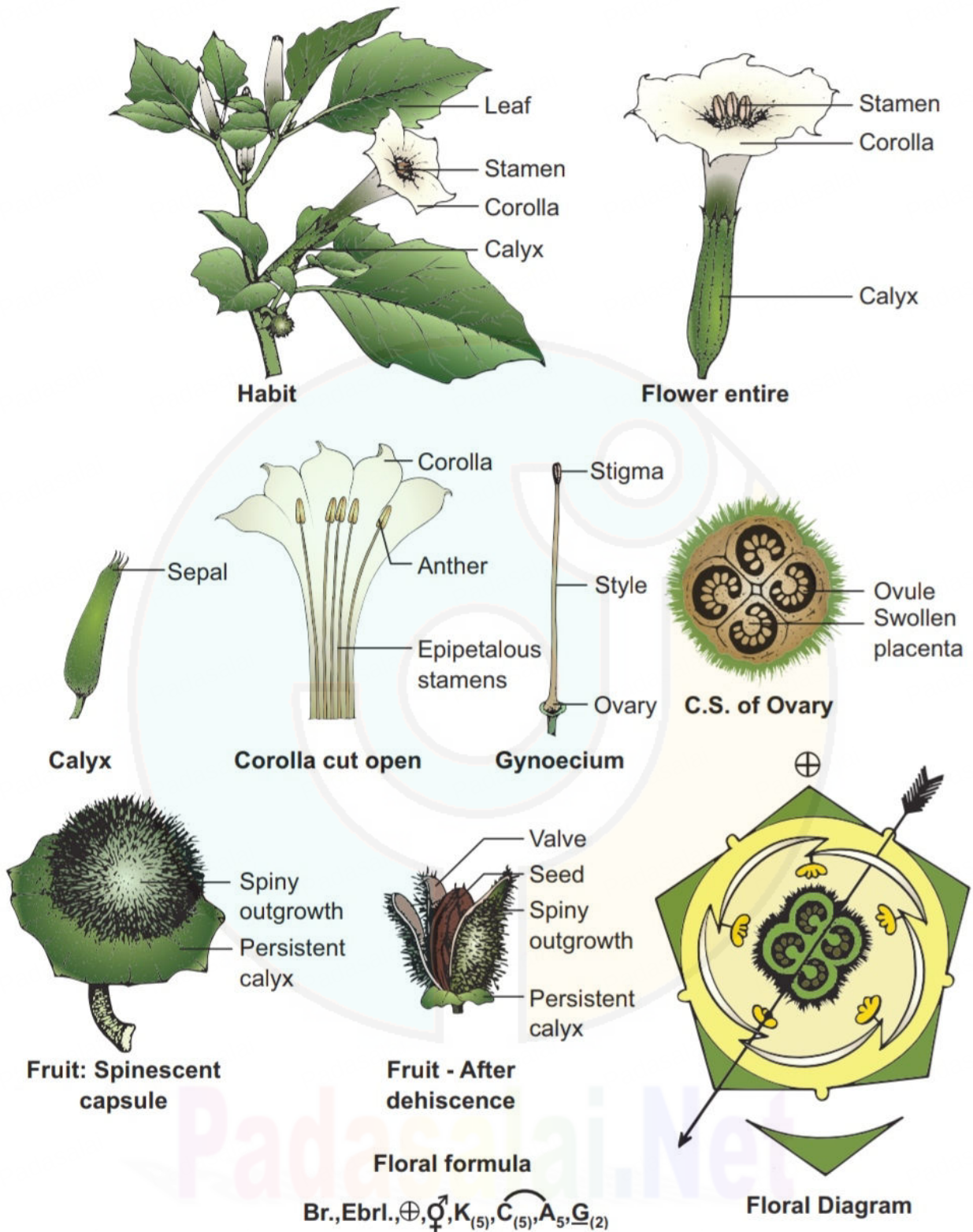


Figure 6.9: Ultra Structure of Plant Cell

170

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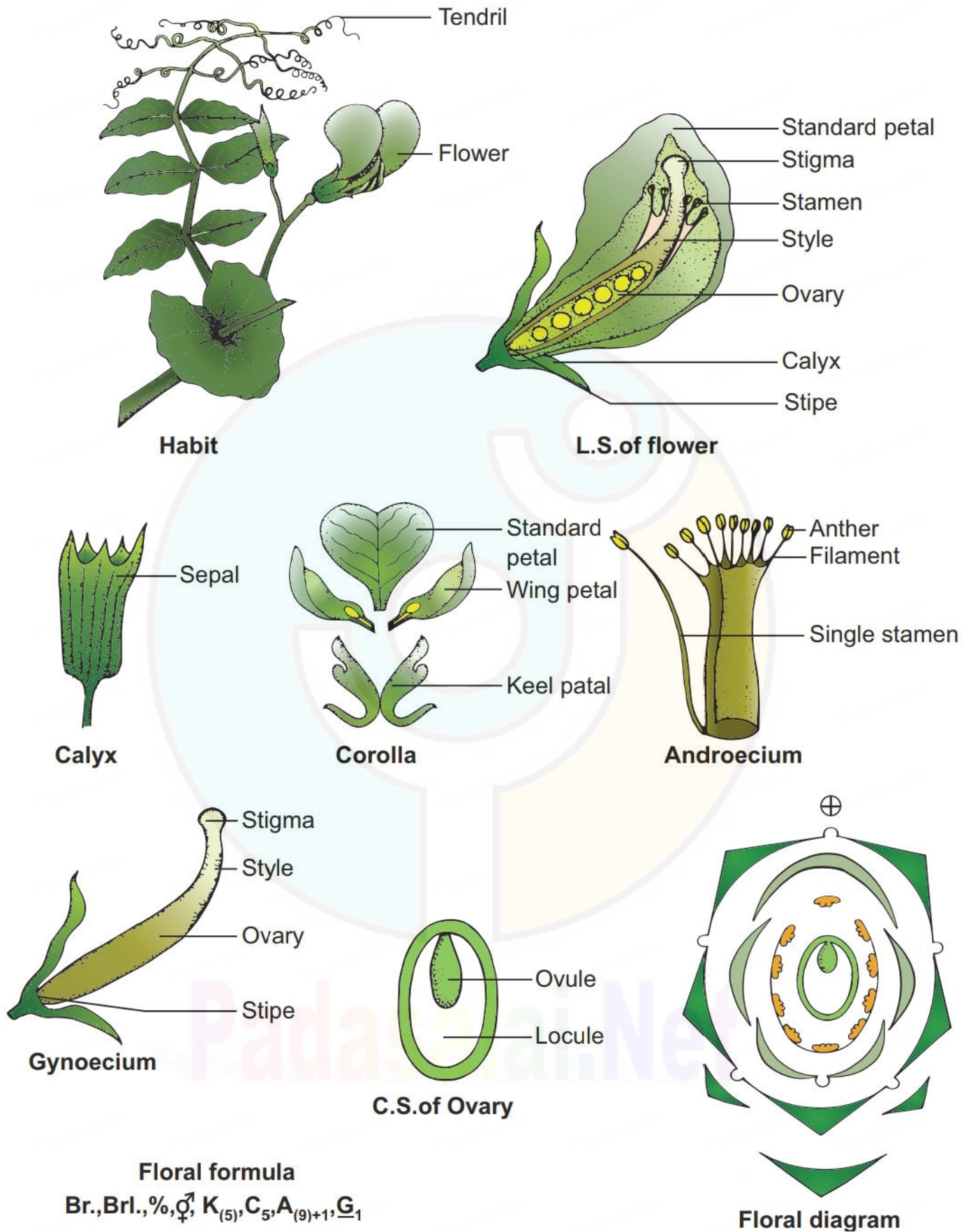
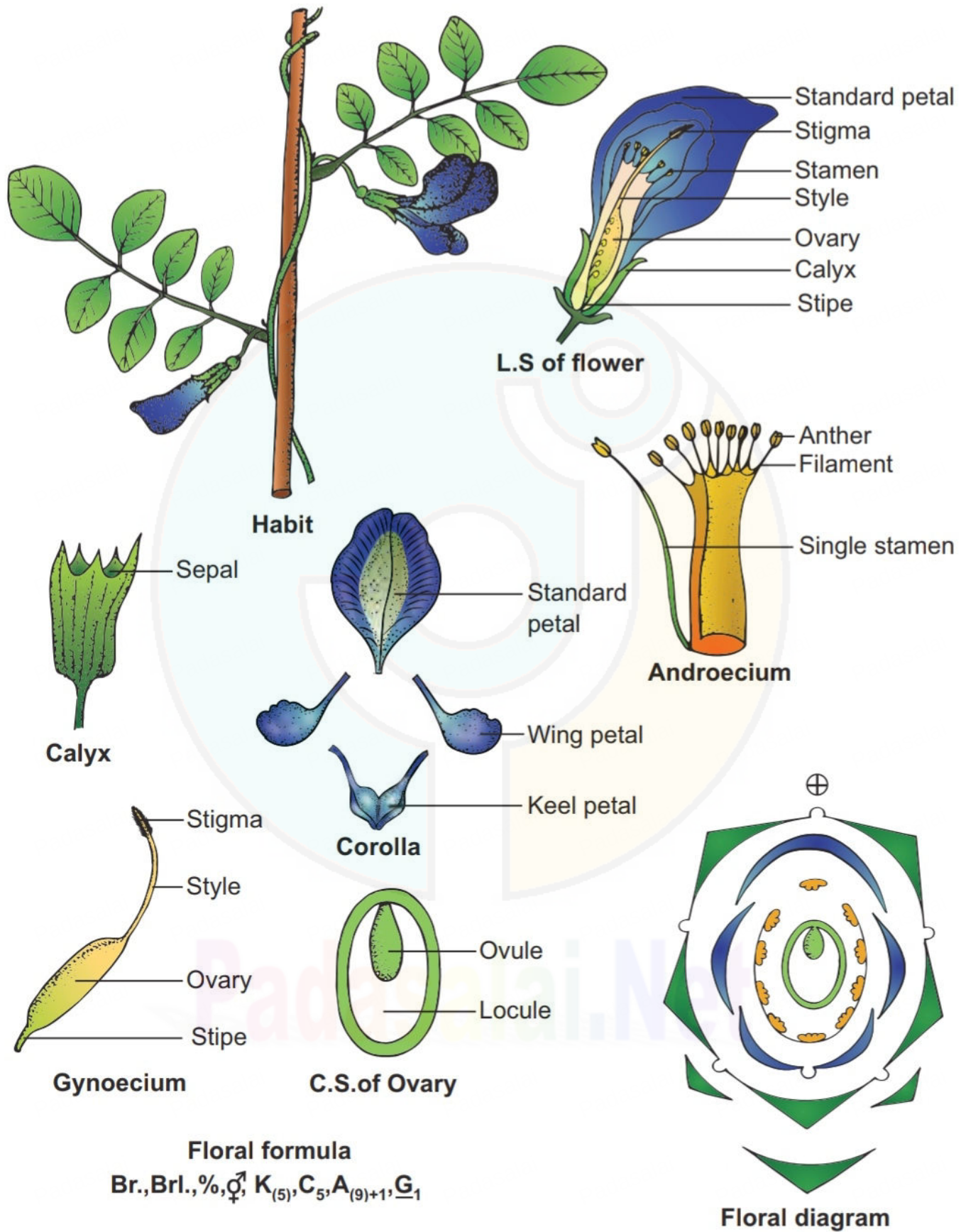
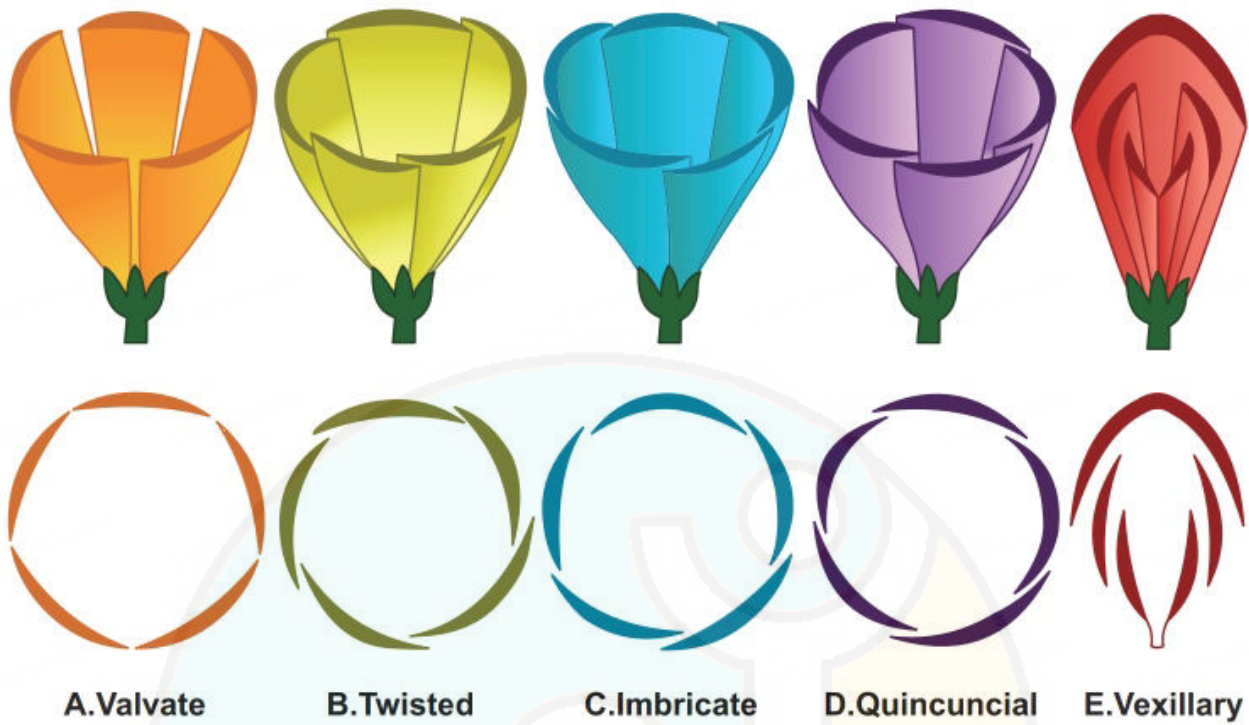


Figure 5.14 Diagram of a pea flower

Botanical description of *Clitoria ternatea* (Sangu pushpam)

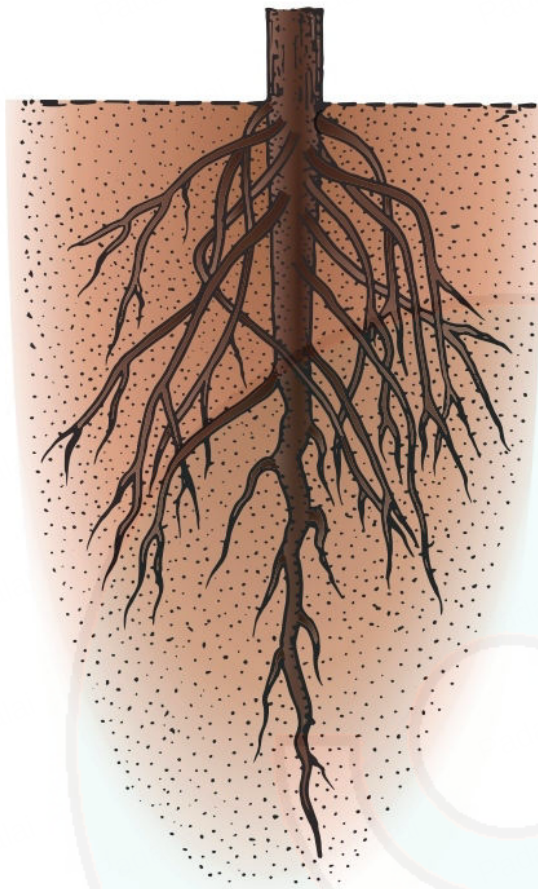


4.3.7 Aestivation: Arrangement of sepals and petals in the flower bud is said to be aestivation.



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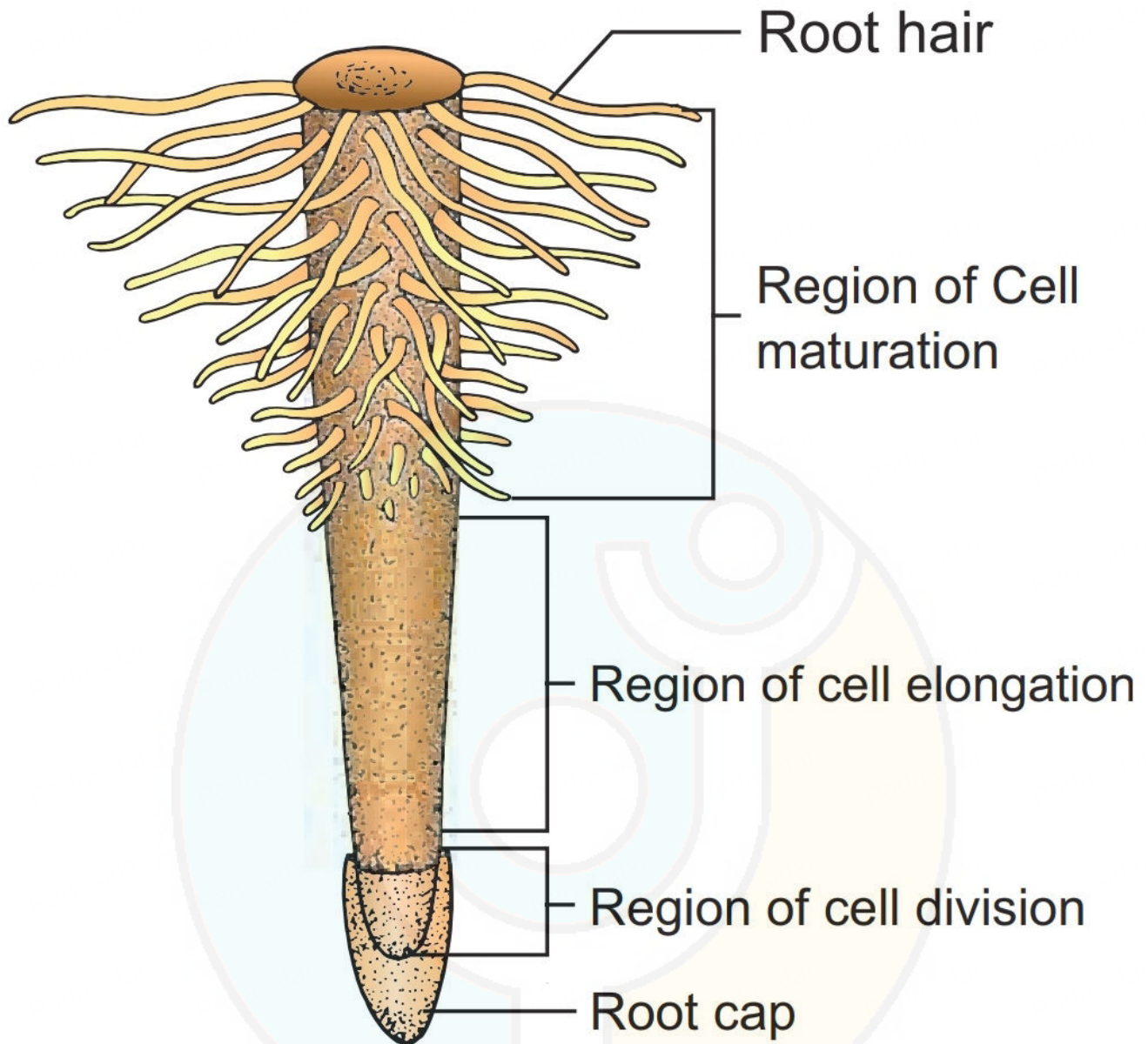
Tap root system



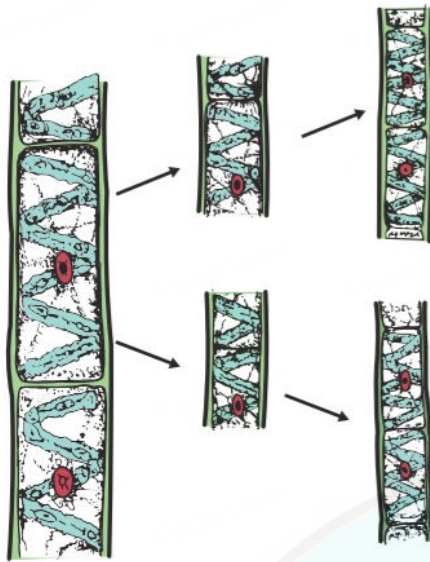
Fibrous root system



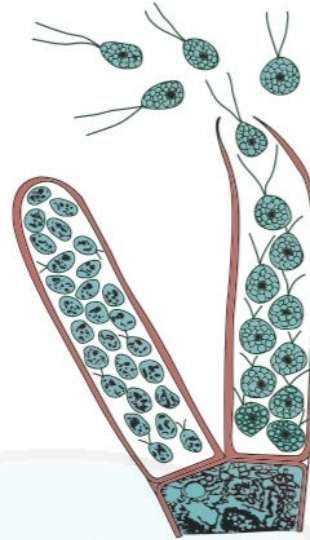
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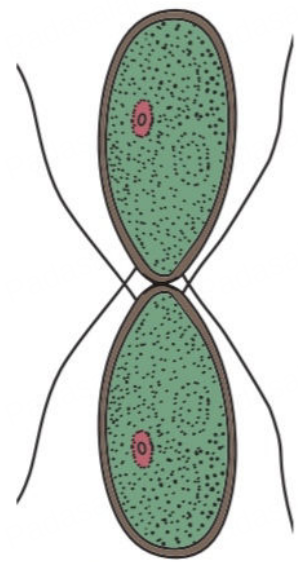
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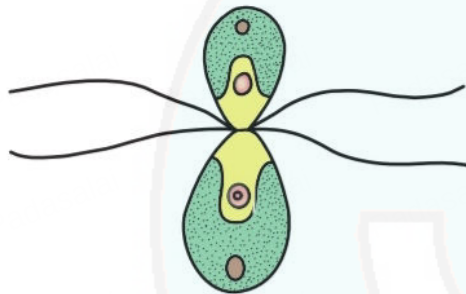
a) Fragmentation-*Spirogyra*



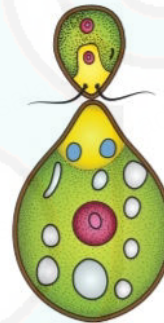
b) Zoospore formation-*Cladophora*



c) Isogamy



d) Anisogamy



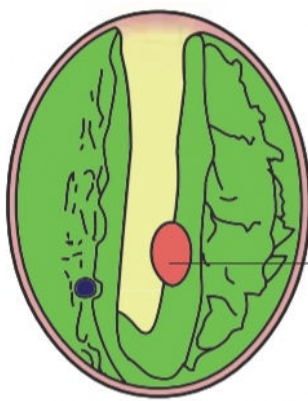
e) Oogamy



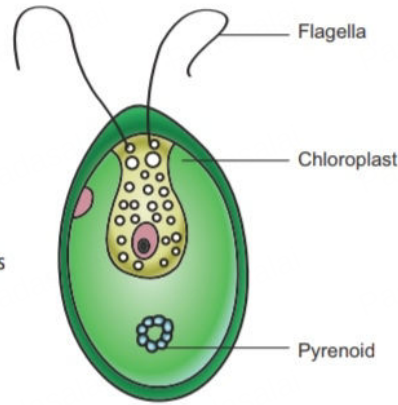
f) Scalariform conjugation-*Zygnema*

Figure 2.4: Reproduction in Algae

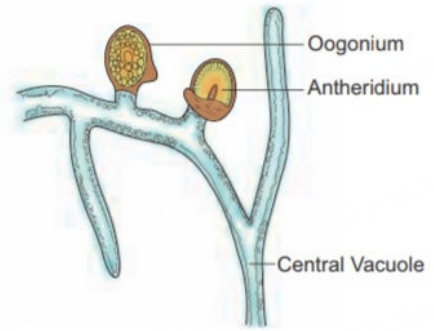
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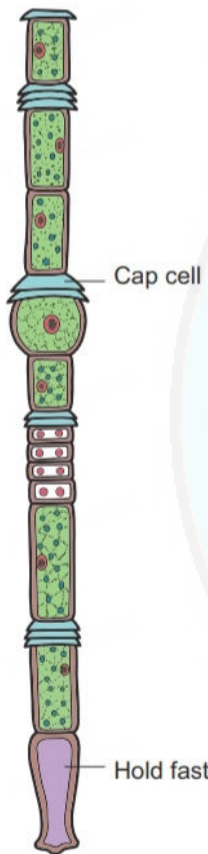
a) *Chlorella*



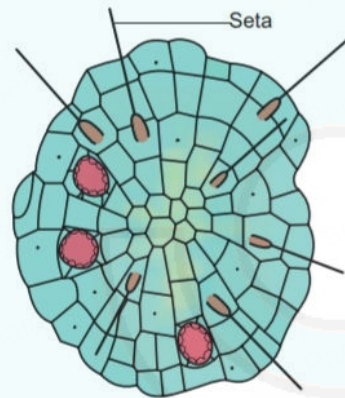
b) *Chlamydomonas*



c) *Vaucheria*



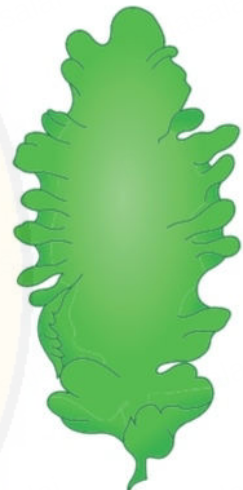
d) *Oedogonium*



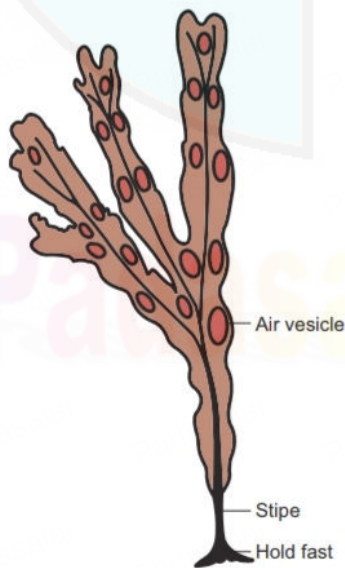
e) *Coleochaete*



f) *Fritshiella*



g) *Ulva*

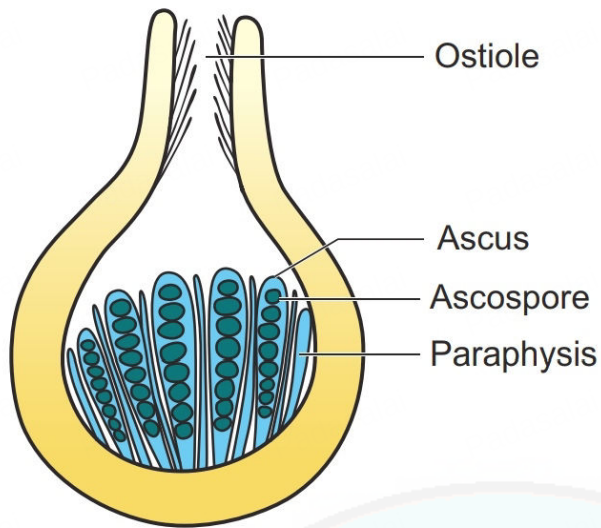


h) *Fucus*

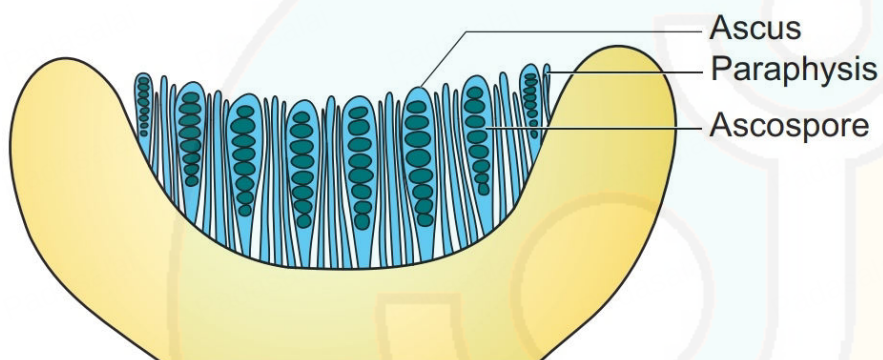


i) *Sargassum*

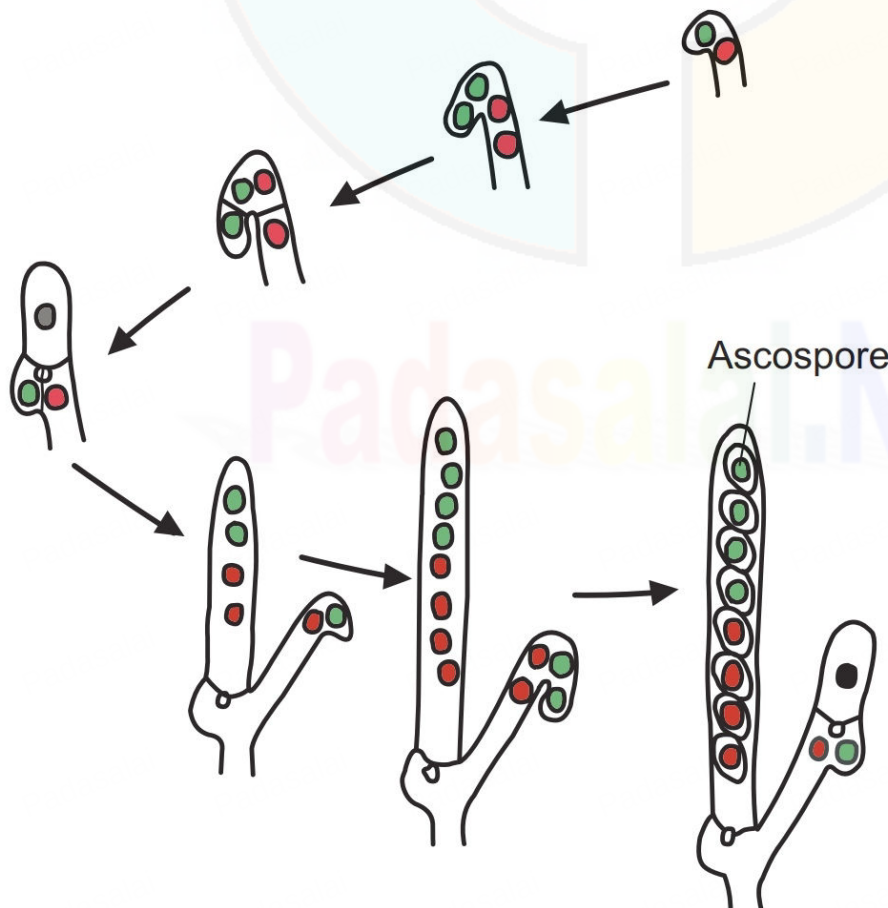




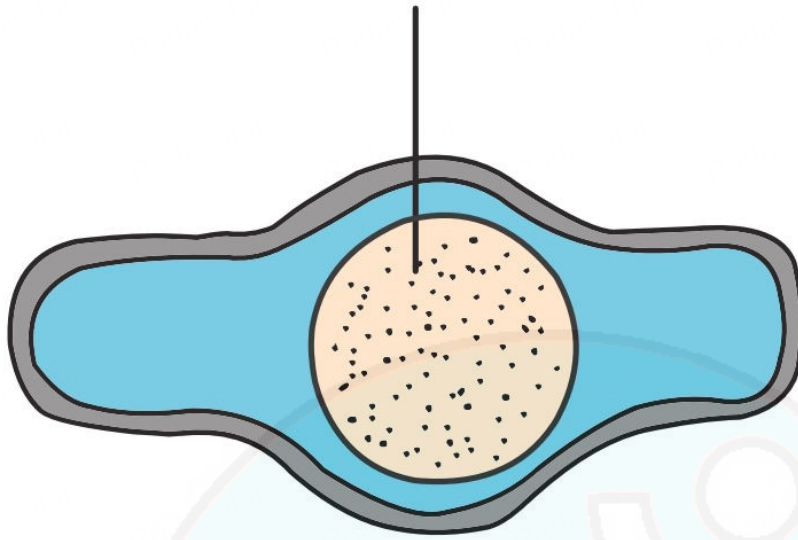
(d) V.S. of Perithecium



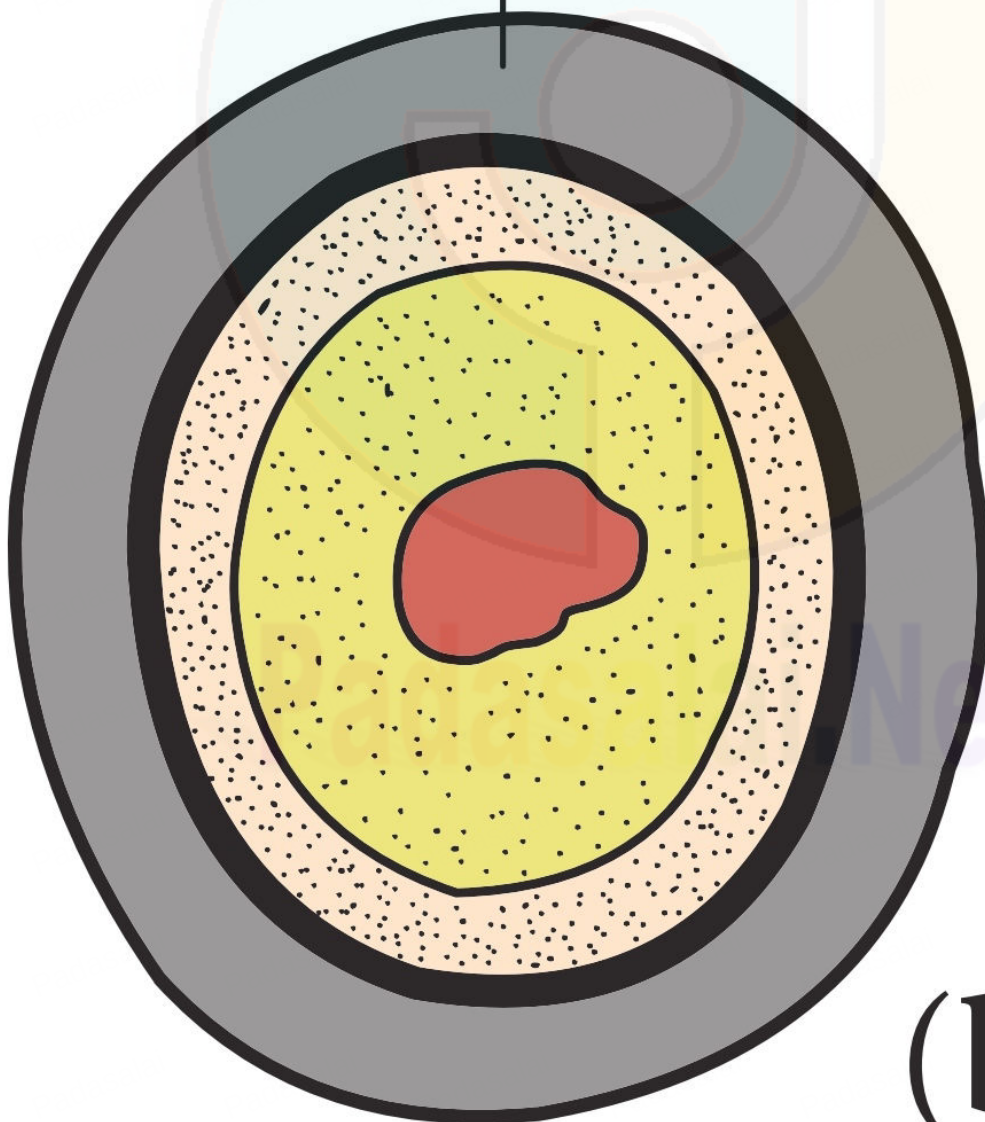
(e) V.S. of Apothecium



Endospore



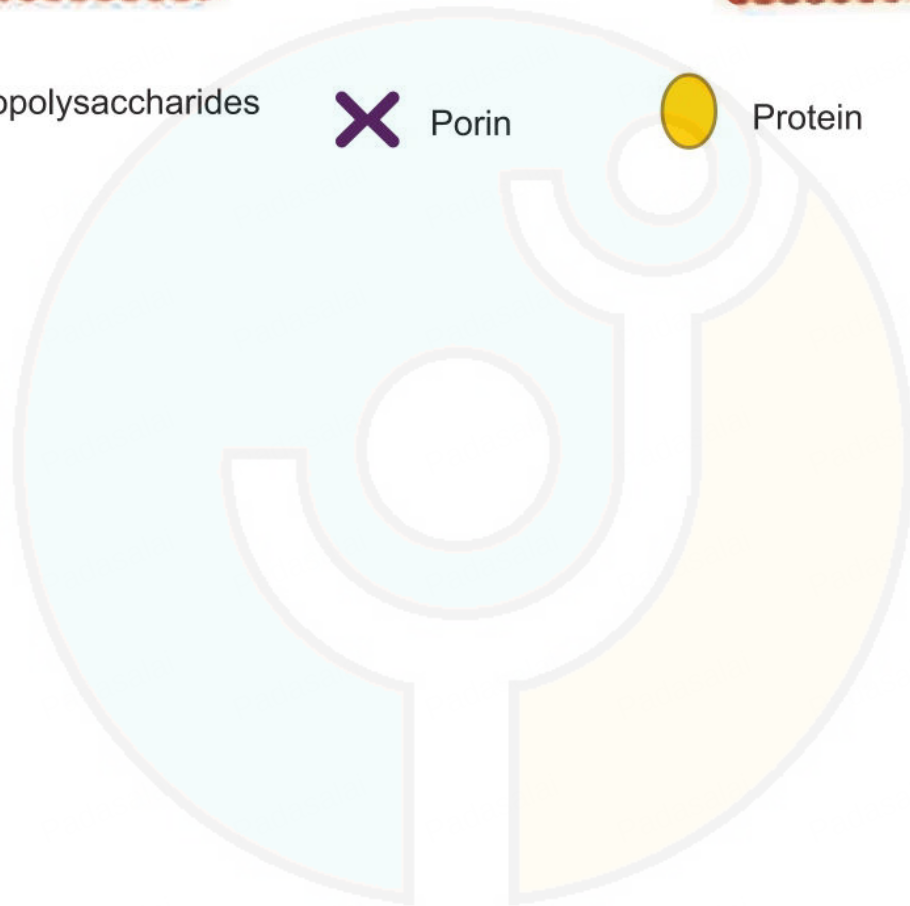
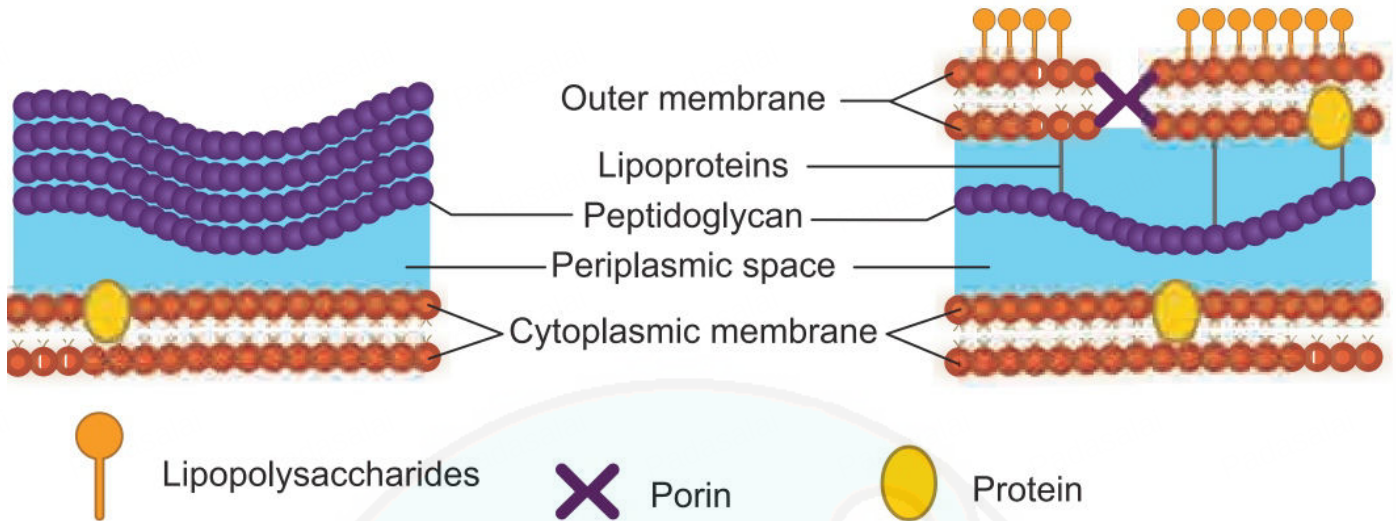
Thick wall



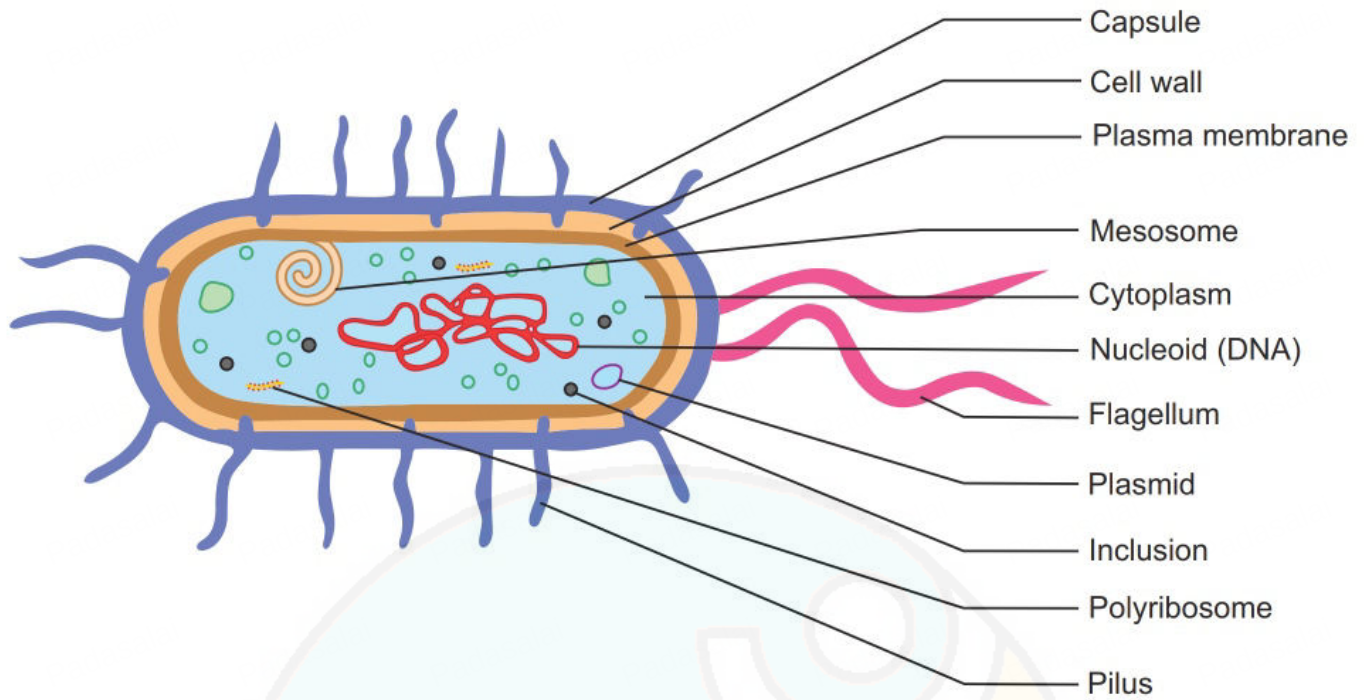
(b)

GRAM POSITIVE

GRAM NEGATIVE



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