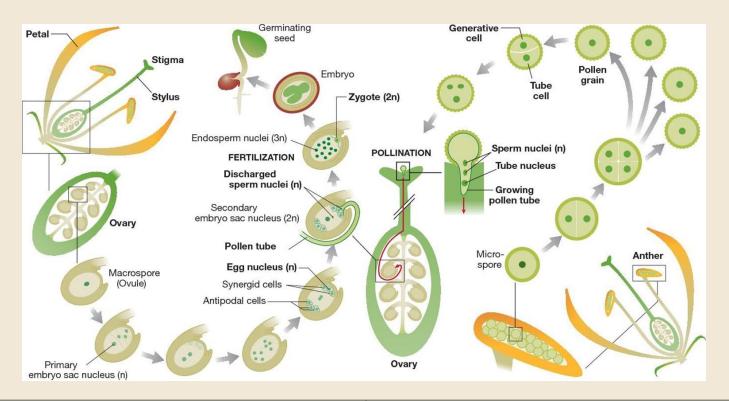
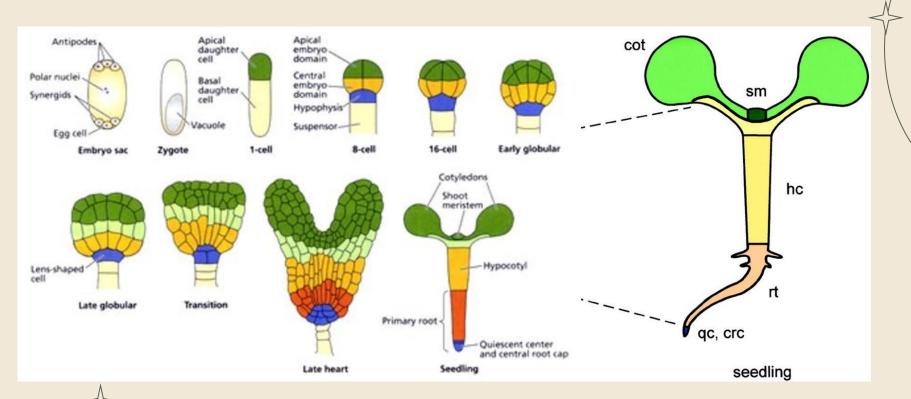


FERTILIZATION

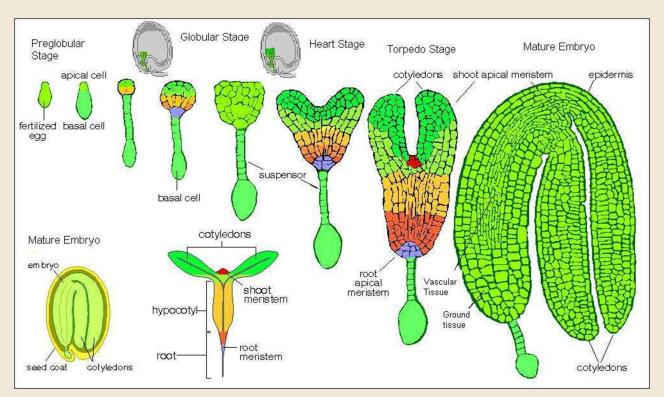




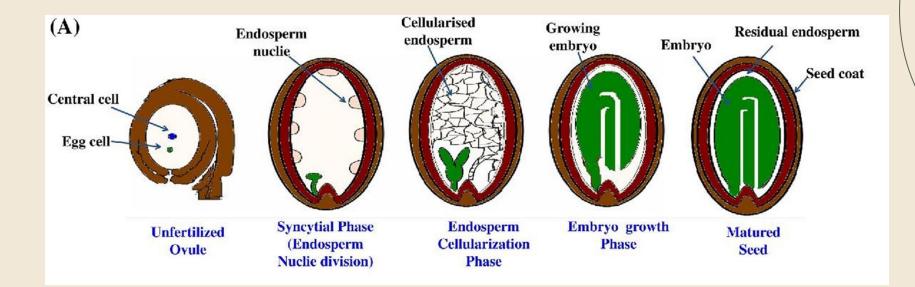
EMBRIOGENESIS



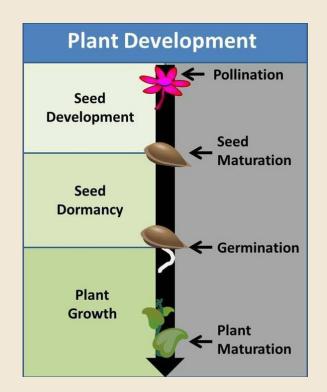
EMBRIOGENESIS



SEED MATURATION



GERMINATION



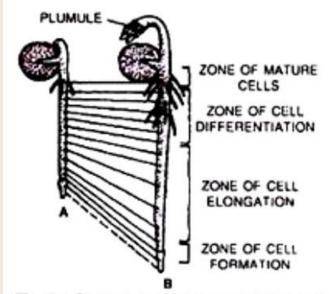


Fig. 2.1 Regions or phases of growth in root. A, marked radicle of the seedling at the beginning of experiment. B, marked radicle after 48 hours.

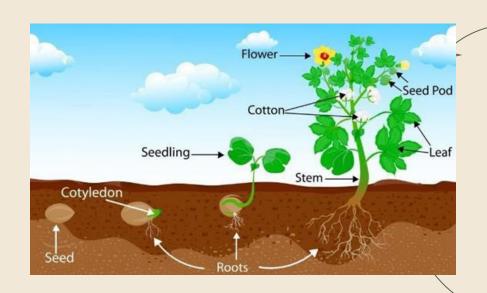


Growth

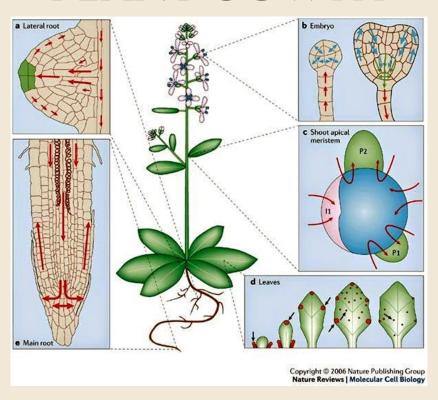
- Mitosis, proliferation
- Elongation
- Mass/volume/size increase

Development

- Cell specification
- Cell differentiation
- Morphogenesis
- o Organogenesis



PLANT GOWTH





PLANT GROWTH

Differentiation & Elongation



growth occurs due to mitosis, followed by differentiation into specialised cells.

In animal cells all



This occurs when young and at full size, further growth is for repair and replacement

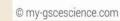


In plants, cell division and differentiation occurs in the growing tips of roots and shoots (meristems).



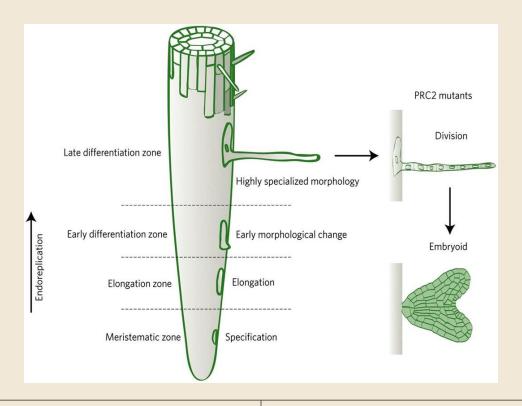
Growth in height is continuo u s a n di

r d



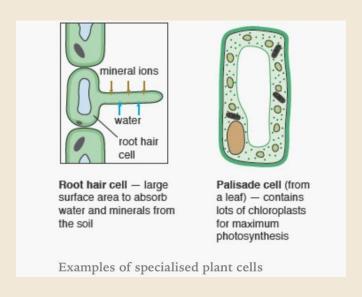


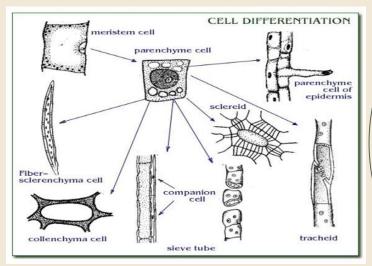
PLANT GROWTH



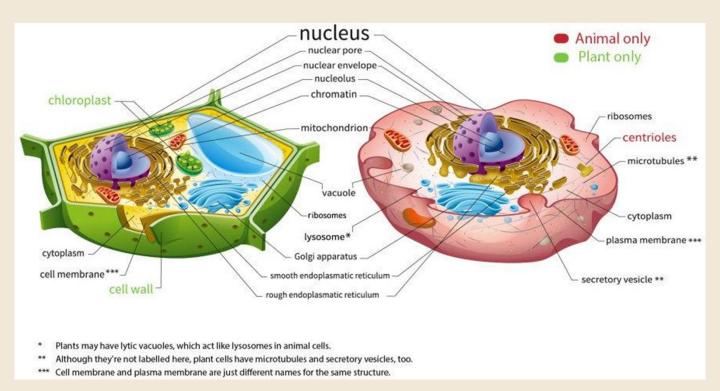
SPECIALIZATION - DIFFERENTIATION

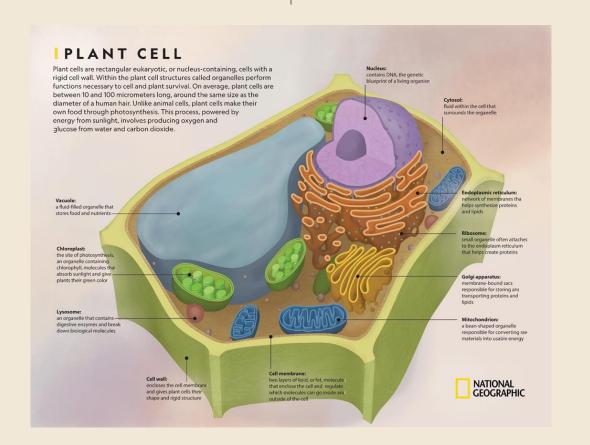
• Cells change its structure or shape to carry a specific function.



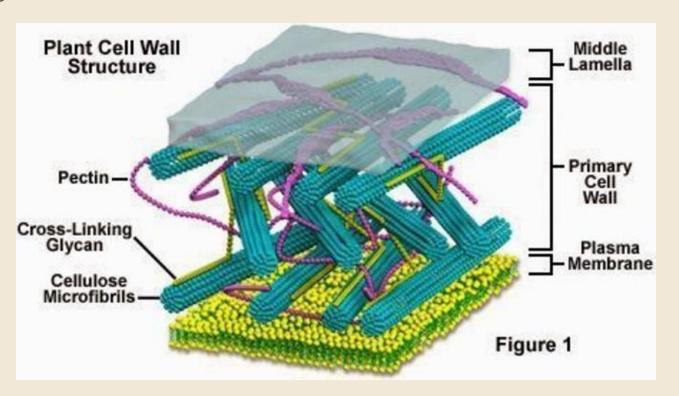


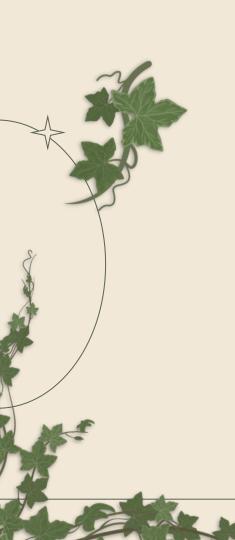
SEL TUMBUHN VS SEL HEWAN





STRUKTUR DINDING SEL TUMBUHAN





THANKS

Do you have any questions?

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