

Essential Questions:

- What are the principle organs and tissues of vascular plants?
- How is meristematic tissue different from other plant tissues?
- What specialized cells make up vascular tissue?



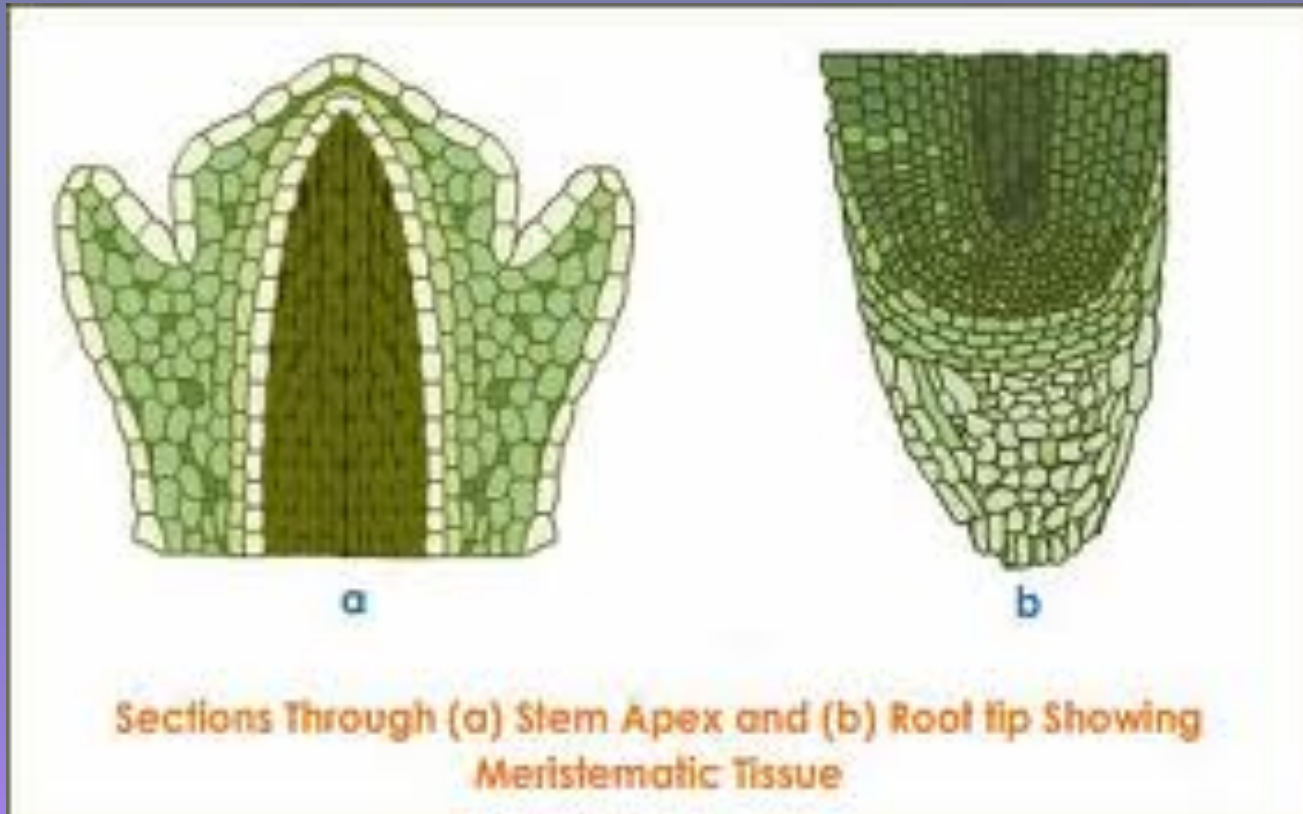
Chapter 23-1: Specialized tissues in Plants

- Structure of seed plants
 - Roots
 - Stems
 - Leaves

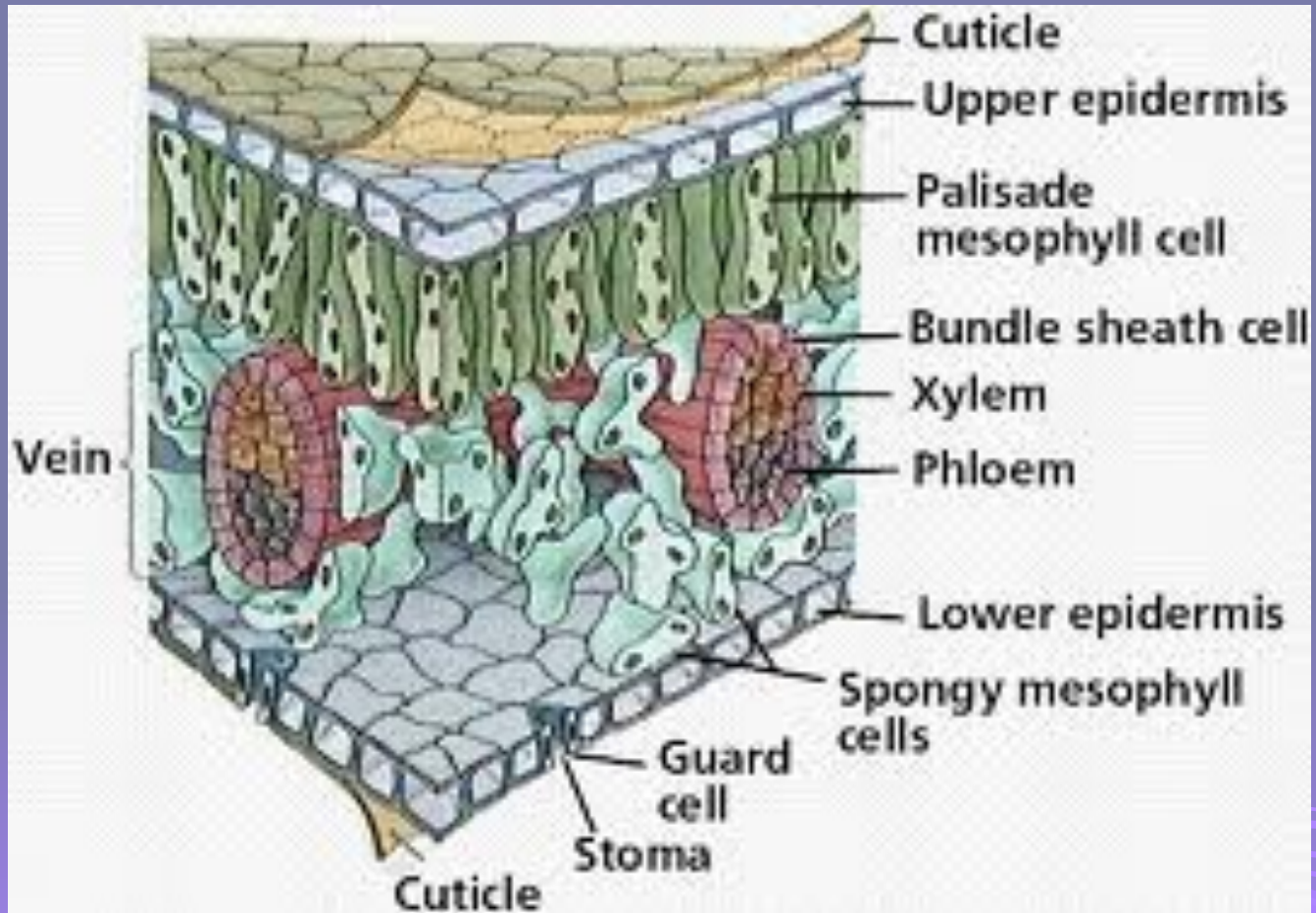


➤ Tissue systems

- Meristematic
 - produces new cells by mitosis



- Dermal tissue



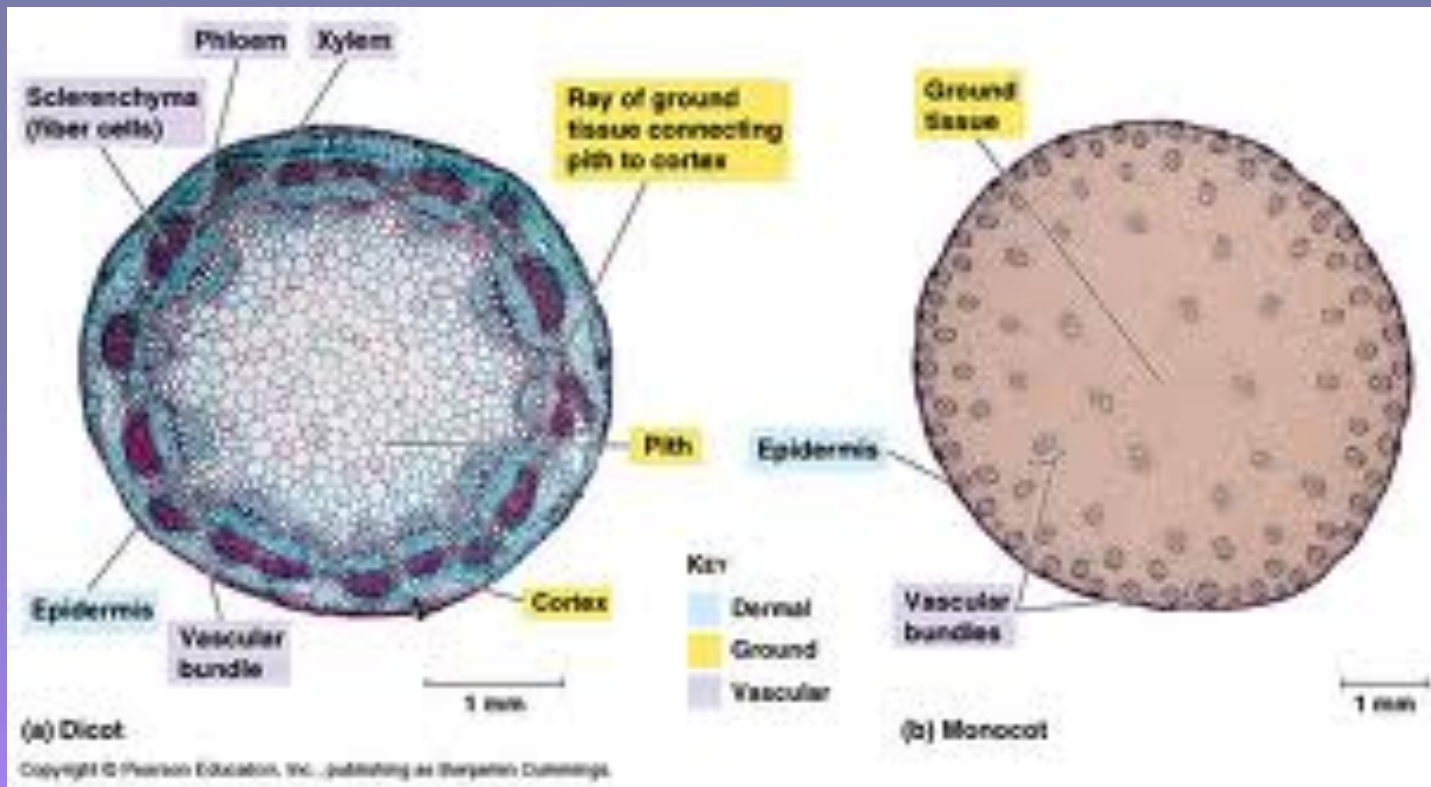
- Vascular tissue

- Xylem

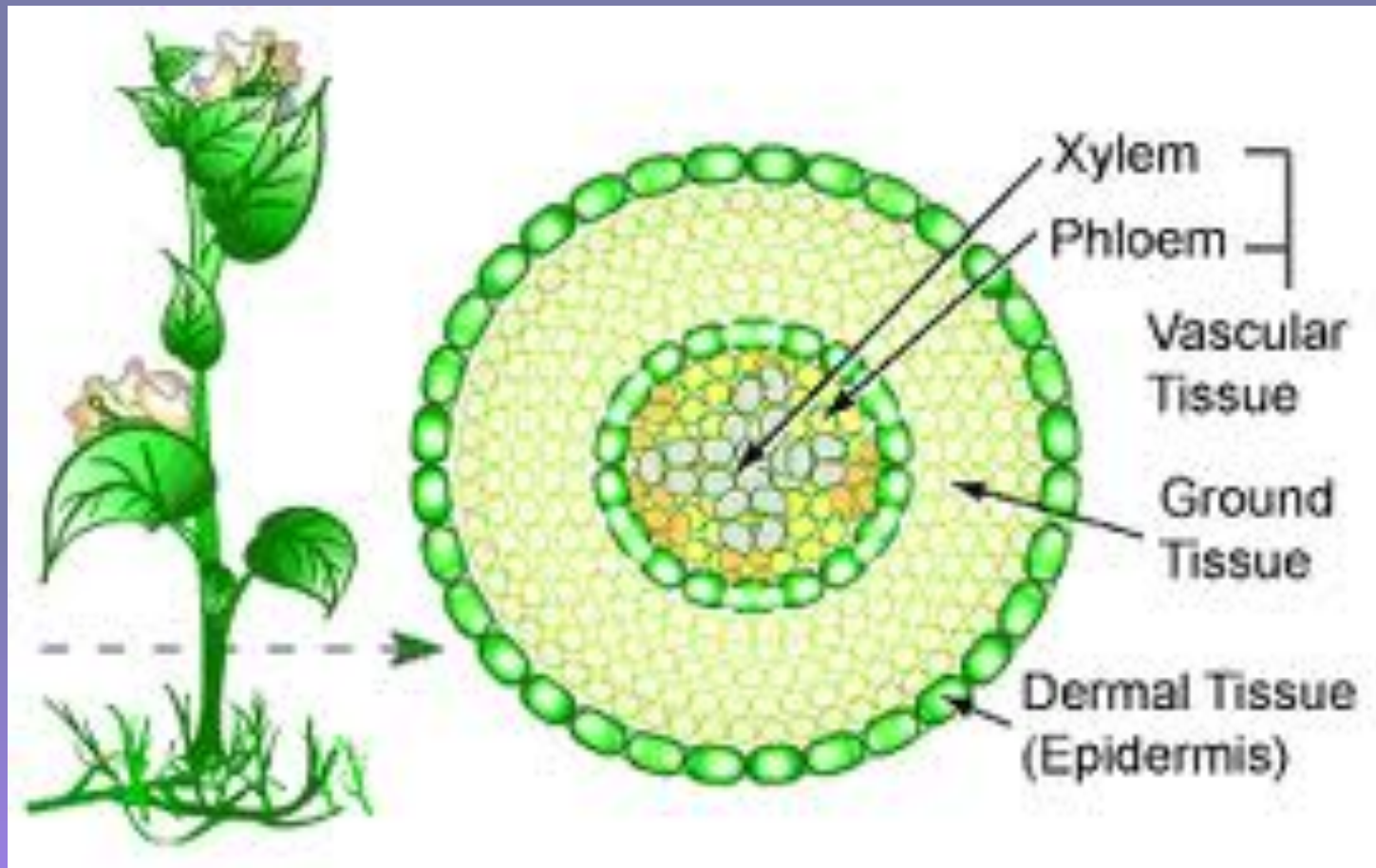
- Tracheids & vessel elements

- Phloem

- Sieve tube elements & companion cells

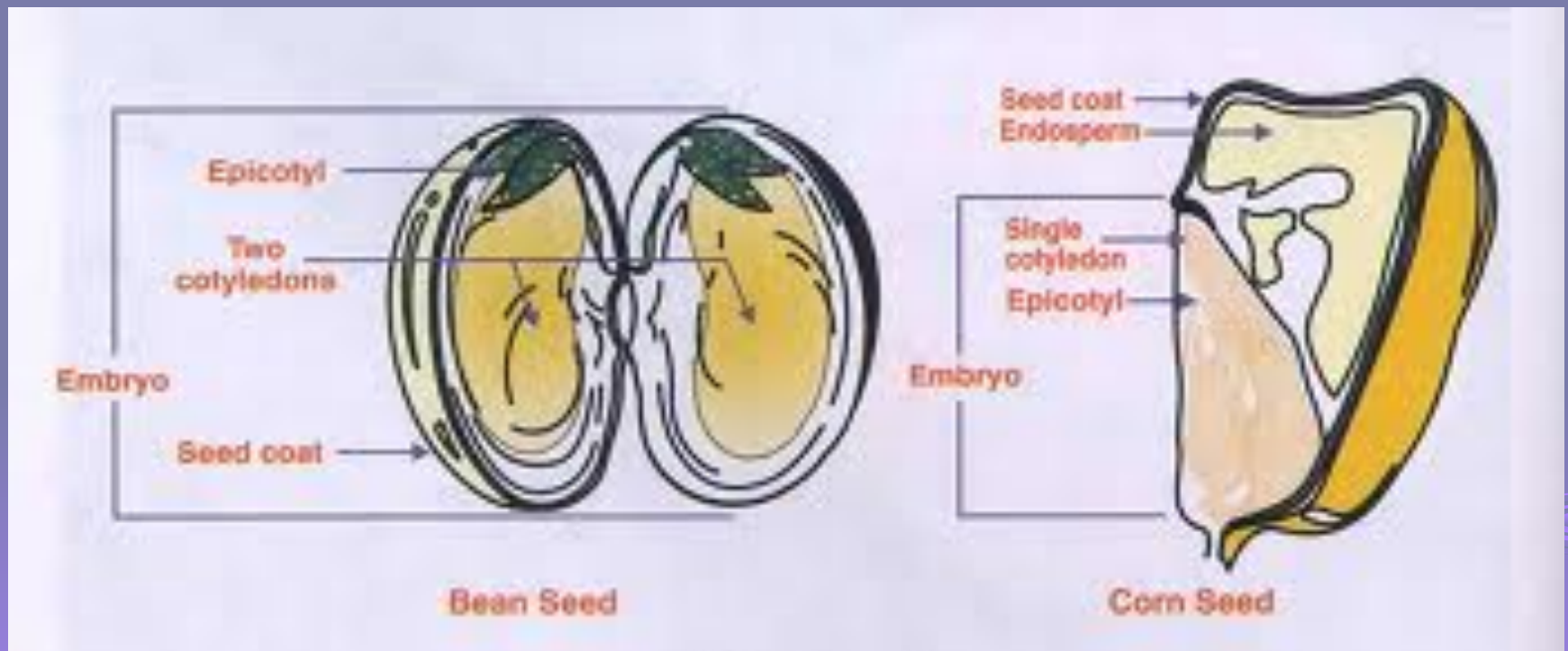


- Ground tissue
 - Structural function



➤ Monocots & dicots

- Flowering plants
 - Monocots



• Dicots

