

Module 2: Plant Structure

**Chapter 25
 Overview**

1. **epidermis**
 plant tissue at the top of roots and on the bottom of stems that supplies cells for the plant's growth in length
2. **collenchyma**
 cell type that serves as thickened corners that support plant without increasing growth
3. **secondary growth**
 secondary growth includes vascular cambium, cork cambium, and cork
4. **secondary growth**
 differs within vascular cambium, including a variety of tissues including xylem, phloem, and support tissues (cork and cork cambium)
5. **secondary growth**
 thickens the stem and stems of woody plants; includes the vascular cambium and cork cambium
6. **secondary growth**
 the main characteristic region of woody plants
7. **secondary growth**
 a relatively unorganized plant cell type that occurs on either side of the vascular cambium and cork cambium, and develops into a more differentiated cell type
8. **secondary growth**
 produced by apical meristems, the thickening of roots and stems
9. **secondary growth**
 an organ in woody plants that increases the plant's thickness or to store water and nutrients from the soil
10. **secondary growth**
 a type of secondary growth that produces a thick secondary cell wall
11. **secondary growth**
 produces a lateral vascular cambium, thickening the roots and stems of woody plants
12. **secondary growth**
 the vascular cambium and other organs that occur in the pillars of woody plants
13. **secondary growth**
 a vascular

Key Terms

- a. Root
- b. Stem
- c. Leaf
- d. Shoot Apical Meristem
- e. Apical Meristem
- f. Axillary Meristem
- g. Phloem
- h. Collenchyma
- i. Sclerenchyma
- j. Thickened
- k. Secondary Growth
- l. Apical Meristem
- m. Lateral Meristem
- n. Primary Growth
- o. Secondary Growth