

1. Define secondary growth.
→ The increase in girth diameter of the stem or root is known as secondary growth.
2. Name the meristematic tissue responsible for secondary growth in stems?
→ Lateral Meristem.
3. What are the two types of Cambium?
→ The two types of Cambium are Cork cambium and Vascular cambium.
The difference is that cork cambium produces the cork and the secondary cortex whereas vascular cambium produces xylem and phloem.
4. Explain how bark of a tree is formed. How does it act as a protective tissue?
→ As plants grow older, the outer protective tissue undergoes

certain changes. A strip of secondary meristem replaces the epidermis of stem. Cells on the outside are cut off from this layer. This forms the several layered thick cork or bark. They also have Suberin in their wall which makes them impervious to gases and water.