

1. Define secondary growth?

Secondary growth is an increase in width of a plant by cell division in lateral meristems.

2. Name the secondary meristematic tissue responsible for secondary growth in stems.

Lateral Meristems.

3. What are the 2 types of cambium? Write the difference between them?

(i) cork cambium

(ii) Vascular cambium

Cork cambium originates from cortex on pericycle. Vascular cambium exists in bundles between xylem and phloem.

tree

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 bark.