

1. Define secondary growth.

Ans Secondary growth is the growth that occurs by the action of the cambium which increases the diameter of the plant.

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

Ans Lateral Meristem.

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

Ans Cork cambium and vascular cambium.

Gives rise to bark and secondary cortex.

Gives rise to secondary xylem and phloem

4. Explain how bark of a tree is formed? How does it act as a protective tissue?

Bark is formed due to the secondary growth in the plant. It includes dead as well as living part of plant stem.

The bark is a waterproof layer present on the trees to prevent loss of water through evaporation. It also forms a rigid covering that protects the interior of the plants from internal injury, high temp or micro-organisms.