

9/7/21

Worksheet

Plant Tissue

① Define Secondary growth

Ans Growth in the increase in the girth of a plant initiated by cell division in Lateral meristems is called secondary growth.

② Name the tissue that is responsible for secondary growth in stem.

Ans Lateral meristems are the meristematic tissues that are responsible for secondary growth in stem.

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

Ans Two types of cambium are

(i) Vascular Cambium:- It gives secondary phloem to outside and secondary xylem to inside

(ii) Cork Cambium:- It gives cork to the outside and secondary cortex to the inside

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

Ans Bark of the tree is formed because of the development of the cork cambium in secondary growth as a result cork cambium (Phellogen) gives inside to secondary cortex and gives cork to outside.

(i) It protects from desiccation (drying up)
(ii) It protects from injury