HW

1) Define Secondary growth.

2) Name the Meristmatic tissue responsible for Secondary growth in the Stems.

3) What are the two types of Cambium? Write one difference between them

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

Answer

1) It is an increase in girth of a plant initiated by cell division in lateral meristems.

2) ~~Lateral~~ Meristmatic tissue responsible for Secondary growth in Stems are the vascular cambium & Cork cambium.

3) Two types of cambium:-
i) cork cambium
ii) vascular cambium
one difference between them is the :
cork cambium gives cork to the outside & secondary cortex to inside
vesicular cambium gives secondary phloem to the outside & secondary xylem to inside.

4) Meristematic tissue of a cortex divides to form the bark of the tree.
It act as a protective tissue because of the following reason:-
- It prevent the entry of microorganism through the bark
- The bark of the tree prevent internal injury of the plant
- It prevents the loss of water.