HW
2/7/21

1) Define Secondary growth.
Secondary growth is an increase in girth (width) of a plant initiated by cell divisions in lateral meristems.

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

3) What are the two types of cambium? Write one difference between them
The two types of cambium are :-
i) Cork cambium
ii) Vascular cambium.

Cork cambium	Vascular cambium
> It originates from cortex or pericycle	> It exists in the vascular bundle between the xylem & phloem.

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

> Bark is the outermost covering of stems & roots of old plants.

> Bark is formed as a result of the secondary growth in the plants.

> Phellogen cut the cell inside as phelloderm or secondary cortex & outerside as phellem or cork.

> The Bark is a water proof protective layer present on the trees to prevent loss of water through evaporation.

> Since it is majorly consists of dead cell, it forms a rigid covering that protects the interior of the plant from the entry of harmful micro-organisms, mechanical injury, high temperature etc.