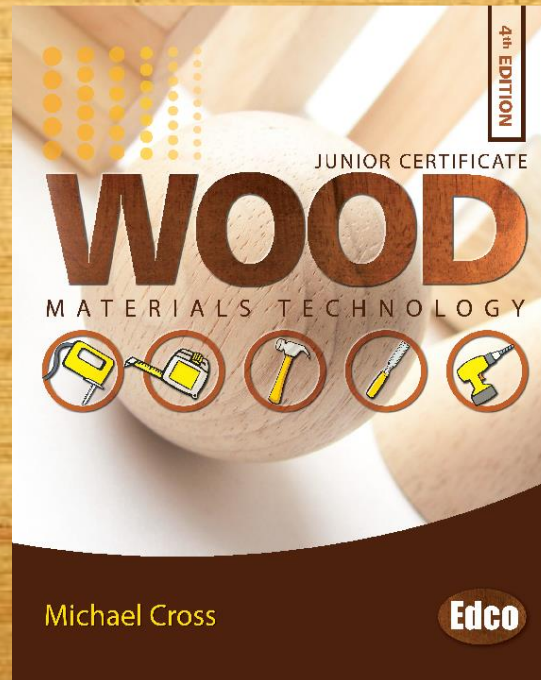


WOOD MATERIALS TECHNOLOGY

4th Edition

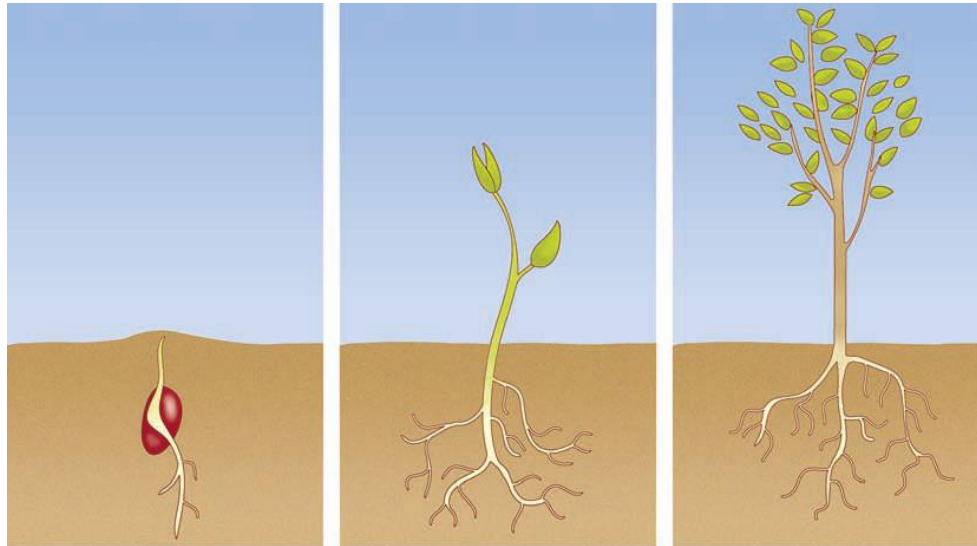


Chapter 9

How Trees Grow



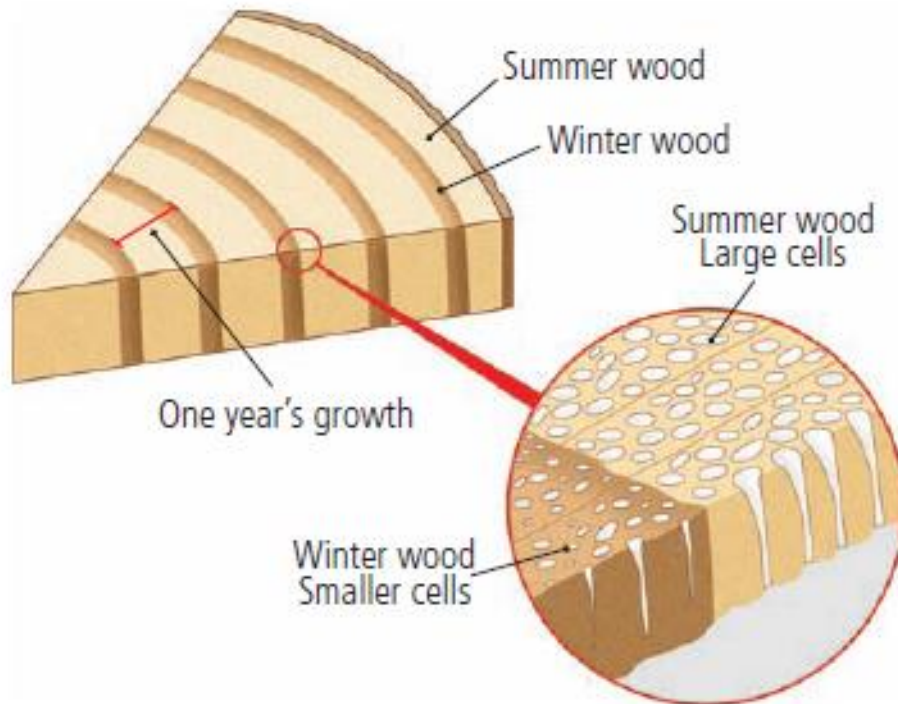
Stages of growth of the young tree



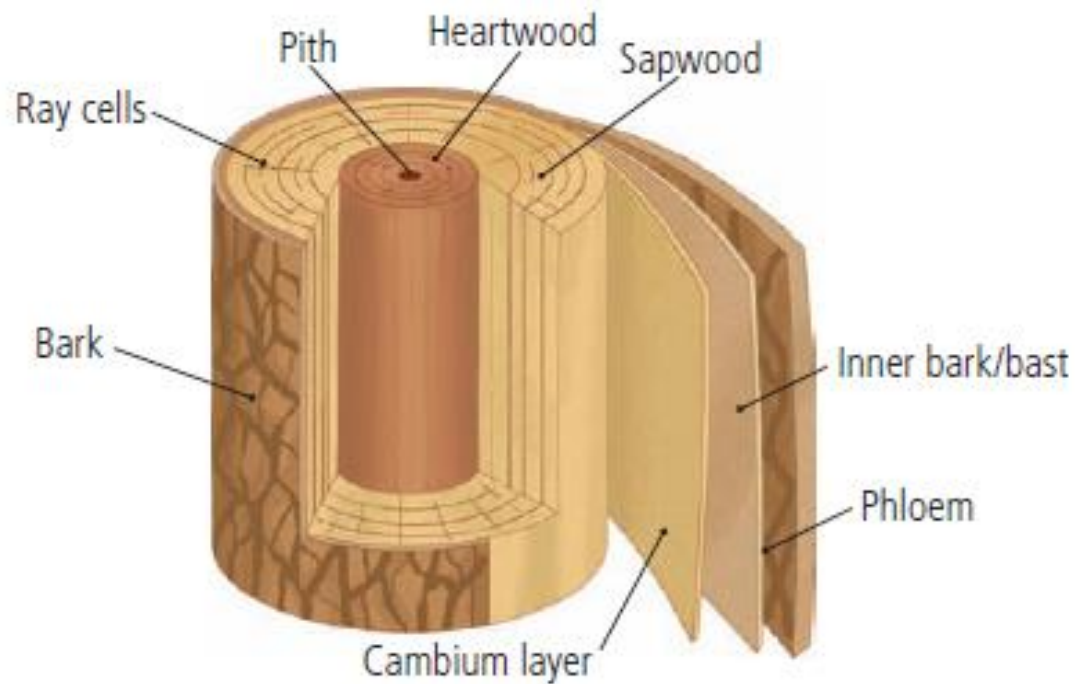
- Seed germinates
- Shoot grows to the surface
- Root grows down into the soil
- Seedling develops roots and leaves
- Seedling grows into a sapling

Annual rings

- Annual rings show the age of the tree – 1 ring per year
 - spring/summer = rapid growth & larger cells
 - autumn/winter = slower growth & smaller cells



Parts of the trunk



- What is the name given to the darker wood in the centre of the trunk?



– The heartwood

The living tree

- Name the processes occurring in a tree
 - Photosynthesis
 - Transpiration

