

30/3/20 HL - 2011 - Q3

MTW
TREE'S

- 3(ii) A = Sapwood: Paler in colour, living part of the tree, carries sap from roots to leaves.
B = Heartwood: Darker in colour, dead part of the tree, supports tree.
C = Bark: Thick corky outer layer, serves to protect tree, prevents evaporation.

(ii)

HARDWOODS SOFTWOODS
LEAVES ⇒ Broad, Deciduous ⇒ Needle, Evergreen

SEEDS ⇒ In a fruit, berry, nut ⇒ In cones

TIMBER ⇒ Hard, Darker, durable ⇒ Softer, paler, less more expensive durable, cheaper.

Climate ⇒ Temperate to tropical ⇒ Cooler to temperate.

(iii) Chemical Reaction = Photosynthesis

Raw Materials = CO₂, Water, Minerals, Sunlight

(iv) Reasons

- Protects habitats
- Reduces CO₂
- Aesthetics
- Rare flora/fauna.

Approaches

- Use of softwoods
- Use of manufactured boards
- reuse
- recycle.