

WORKSHEET

PARENCHYMA

SCLENCHYMA

* It is made up of living cells

* It is made up of dead cells

* The cell wall is made up of cellulose

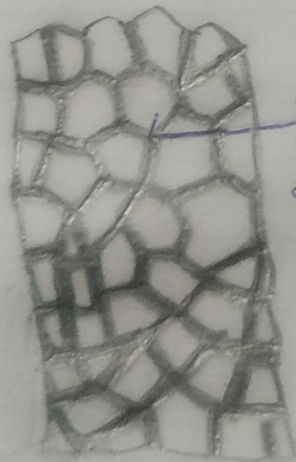
* The cell wall is made up of lignin

* Parenchyma is a packing tissue (helps in food storage)

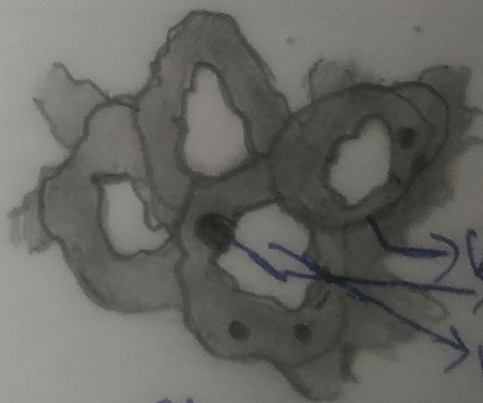
* Sclerenchyma is a protective tissue

* It helps in performing photosynthesis (Chlorenchyma)

* It gives rigidity, flexibility, elasticity to the plant body.



Structure



Structure

Walls thickened
Nucleus
Vacuole

② Water hyacinth floats on water surface, Explain

Ans Water hyacinth floats on water surface because of the presence of Parenchyma. It contains a specialised form of parenchyma which is often known as Aerenchyma. It contains air-filled spaces in the stem in order to give buoyancy to the plants which helps them to float.

③ Why epidermis is important for the plants?

Ans Epidermis is important for the plants because it protects ^{plants} from ~~the~~ water loss, absorption of nutrients from the soil.

④ We get a crunchy and granular feeling, when ^{we} chew pears. Give reason.

Ans The pear contain sclerenchyma which contain Sclerenchyma which is made up of thickened wall and in nature. For this reason Pear fruit give crunch and granular feeling when we chew it.

⑤ Why it is difficult to pull the husk of a coconut tree?
Ans It is difficult to pull the husk of a coconut tree because it contains sclerenchyma which have thickened cell wall (made up of lignin).