

(511)

Reduction of CO_2 into Carbohydrates

- * There all steps may not take place one after the other immediately
- * Green dots on leaves are called as Chloroplast which contain chlorophyll
- * Tiny pores are called as stomata [helps in exchange of gases]
- * Stomata are present mainly on leaves but in roots and stem also
- * Closing and opening of stomata is done with the help of guard cell.
- * Water $\rightarrow$ flows into guard cell [Open & Turgid]
- * Water $\rightarrow$ flows out the guard cell [closed & Flaccid]
- * Plants need other minerals also in form of Nitrogen, Phosphorous, Iron, Magnesium [from soil]
- * Nitrogen is used for synthesis of proteins
- * Plants take nitrogen in form of inorganic nitrates

(d) Removal of undigested food in the form
of feces.

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Deoxygenated blood leaves
from the body to the lungs

Deoxygenated blood
to lungs for oxygenation

Ventricles have to pump blood into various
organs, hence they have thicker muscular
walls than atrium

* Valve ensures that blood does not flow back -
would the atrium and ventricle contract

