

Events during photosynthesis:-

- i) Absorption of light energy by chlorophyll.
- ii) Conversion of light energy into chemical energy and splitting of water molecule into hydrogen and oxygen.
- iii) Reduction of CO_2 into carbohydrate.

Cross section of a leaf:-



Q. Design an experiment to demonstrate that chlorophyll is essential for photosynthesis.

Q. Design an experiment to demonstrate that CO_2 is essential for photosynthesis.

Q. Design an experiment to demonstrate that sunlight is essential for photosynthesis.