

# Photosynthesis in Higher Plants

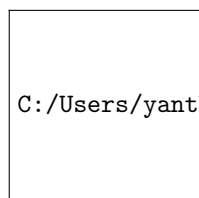
#NEET #NEET/Botany

---

## What is Photosynthesis ?

Anabolic, enzyme regulated (biochemical) formation of organic materials from  $\text{CO}_2$ ,  $\text{H}_2\text{O}$  by green parts of the plant (chlorophyll containing) in presence of sunlight, thereby liberating  $\text{O}_2$ , leads to autotrophic nutrition, removes  $\text{CO}_2$  and generates oxygen, 170 billion tonnes of biomass/year. 70-80 million tons of  $\text{CO}_2$  is fixed by terrestrial plants.

## Mechanics of Photosynthesis



C:/Users/yanth/OneDrive/Documents/Notes/Pasted image 20240406233450.png

stroma of chloroplast