

Photosynthesis

Converting Light Energy into Chemical Energy

Ch 7- AP Biology



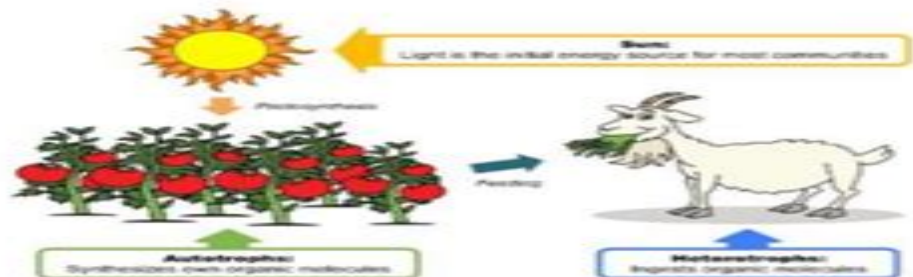
Photosynthesis in Nature

Autotrophs

- > biotic producers:
- > photoautotrophs – energy from sunlight
- > chemoautotroph: energy from inorganic chemicals

Heterotrophs

- > biotic consumers:
- > obtains organic food by eating other organisms or their by-products (includes decomposers)



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IMAGINEERS STEAM ACADEMY

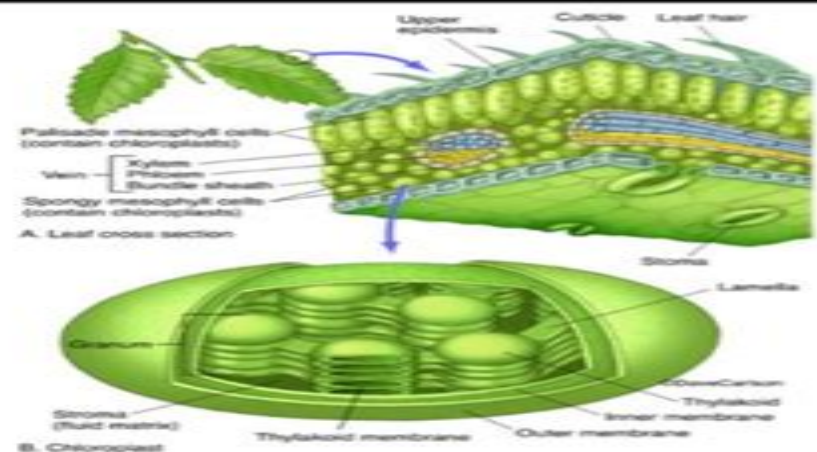
The Chloroplast

> Function:

- > Site of photosynthesis
- > Contains the pigment chlorophyll
- > Found in the mesophyll layer
 - > Gas exchange takes place in the stomata

> Structure

- > Double membrane
- > Thylakoids, grana, stroma
- > Pigments located in thylakoid membrane



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RJ Shavelson



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