

# Photosynthesis

Converting Light Energy into Chemical Energy

Ch 7- AP Biology



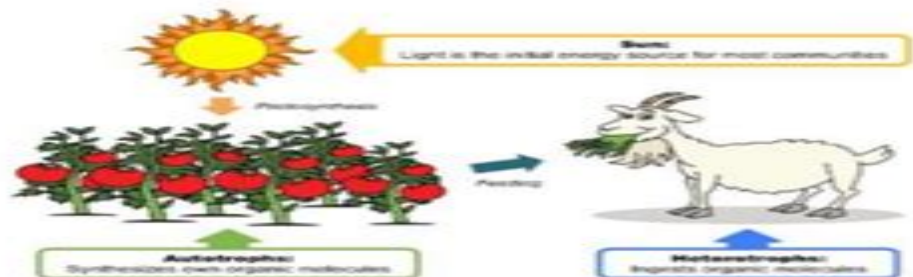
## Photosynthesis in Nature

### 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)



AP BIOLOGY 1: PHOTOSYNTHESIS

IMAGINEERS STEAM ACADEMY

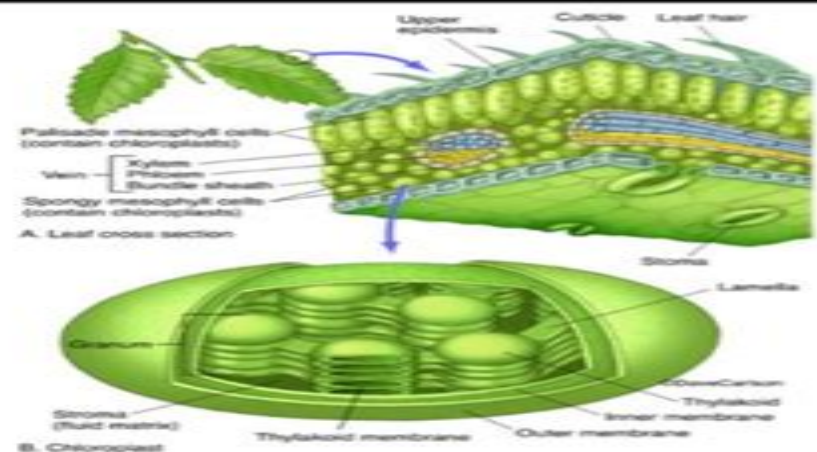
## The Chloroplast

### > 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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# Photosynthesis Study Guide Campbell Ap Biology

**Rose Arny**



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