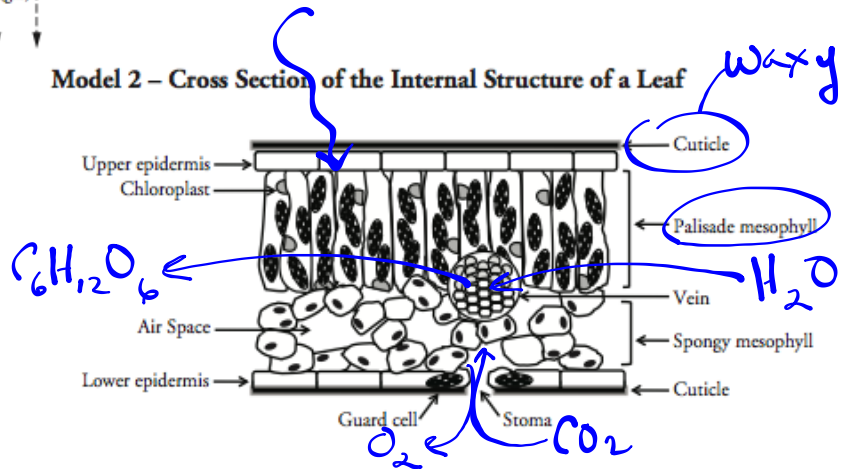
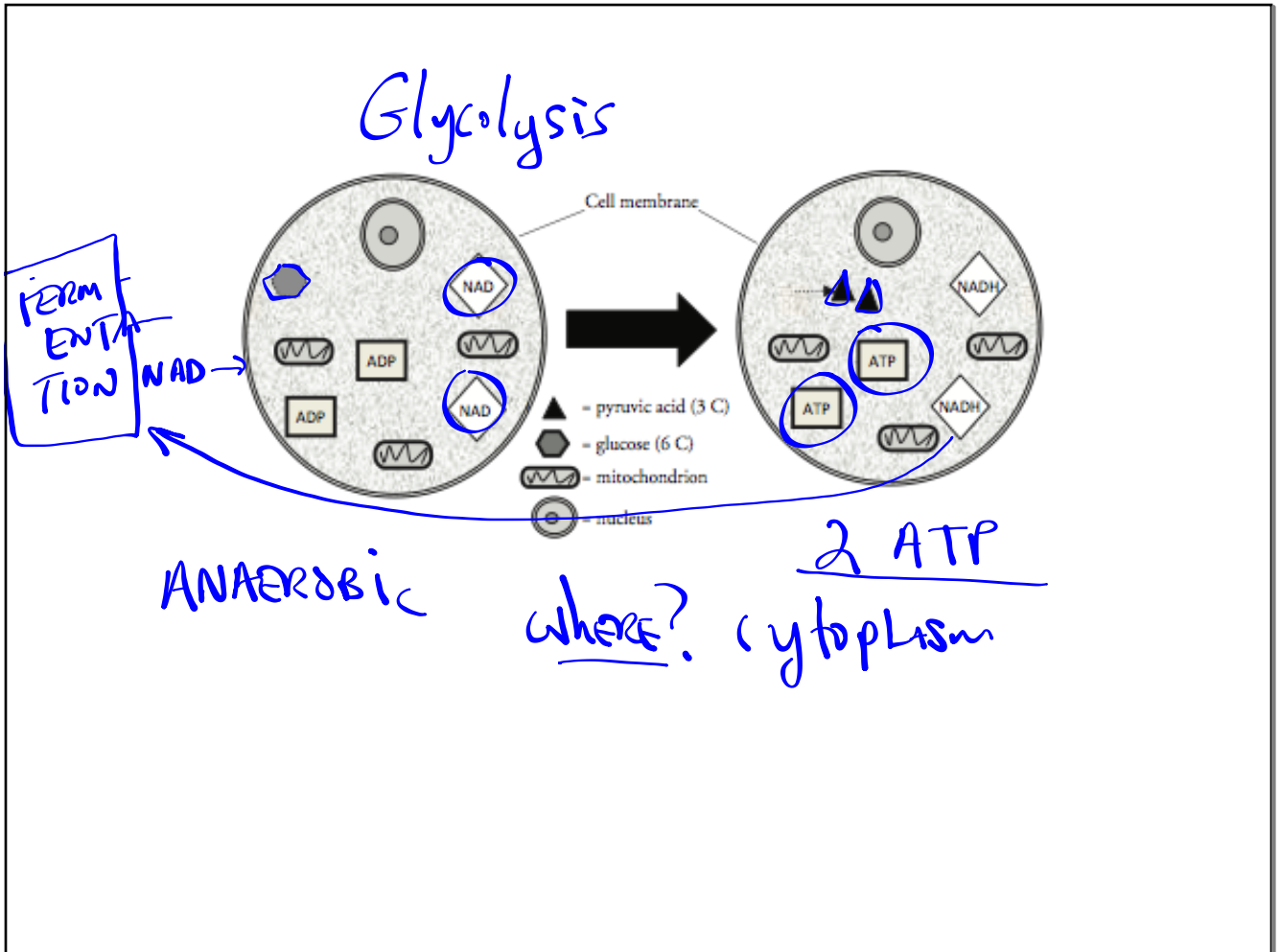
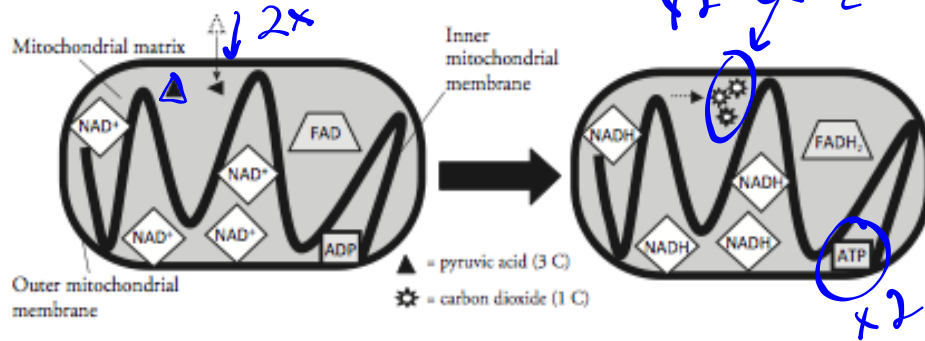


Model 2 – Cross Section of the Internal Structure of a Leaf



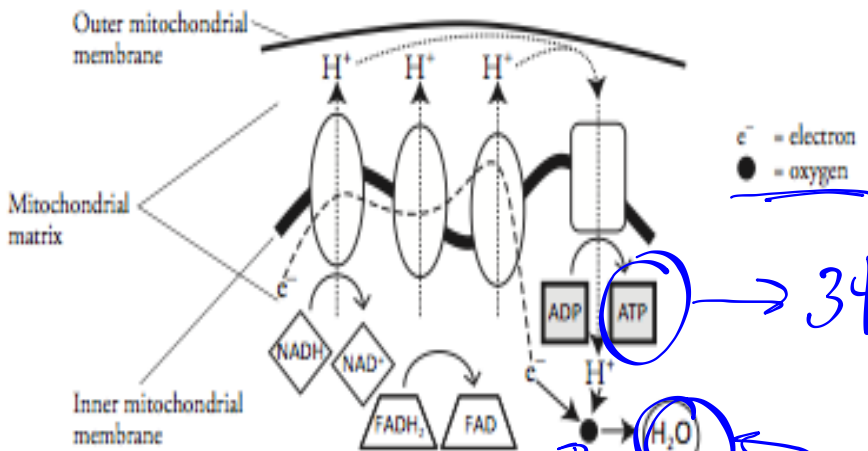


Krebs cycle



ANAEROBIC

ELECTRON TRANSP.



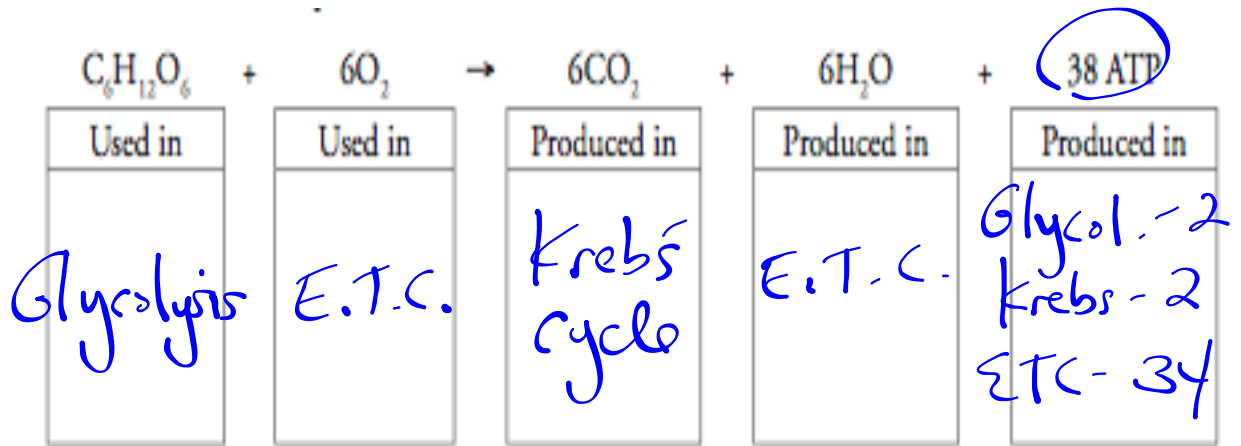
e^- = electron
● = oxygen

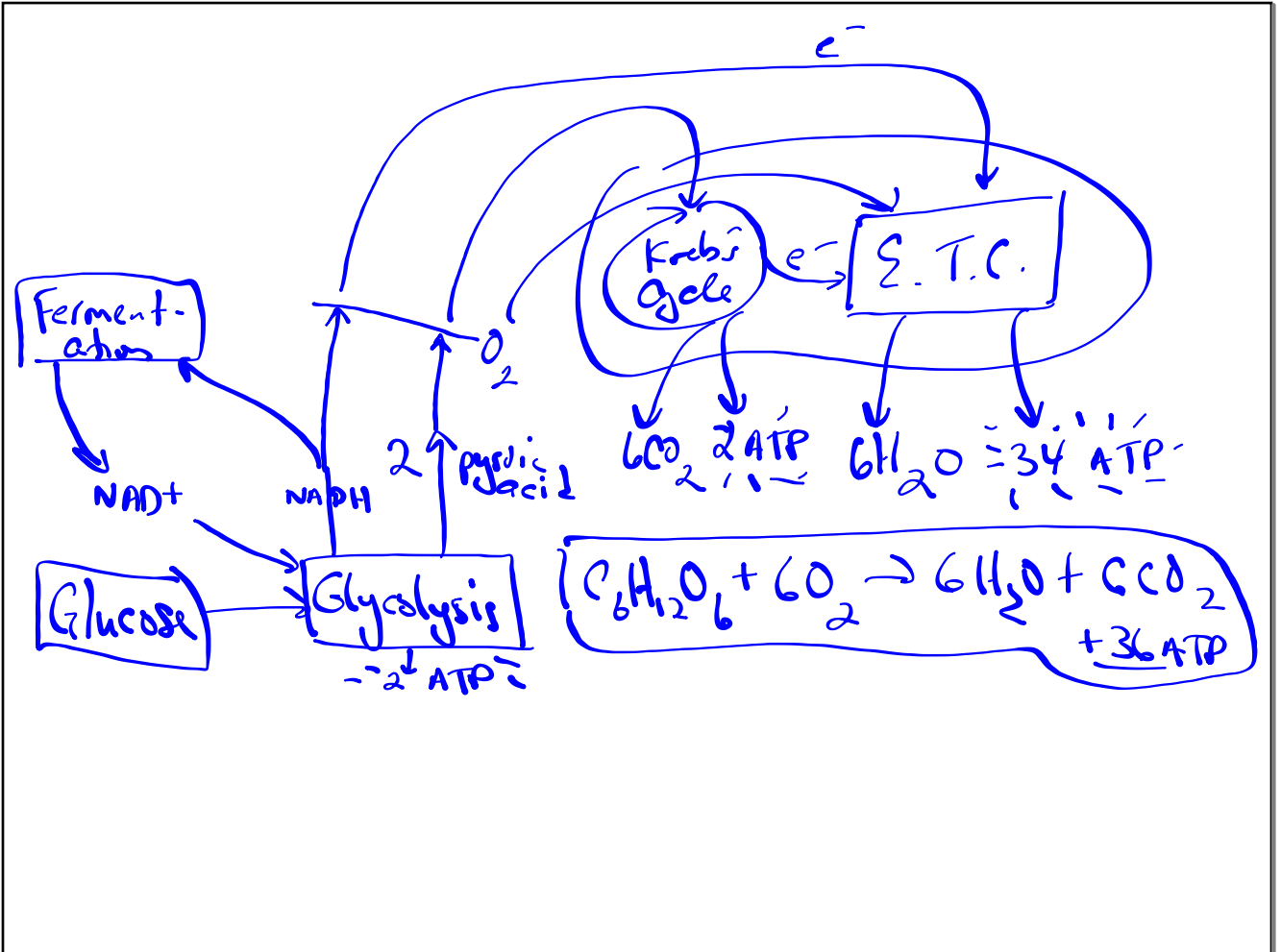
→ 34 ATP!

AEROBIC!

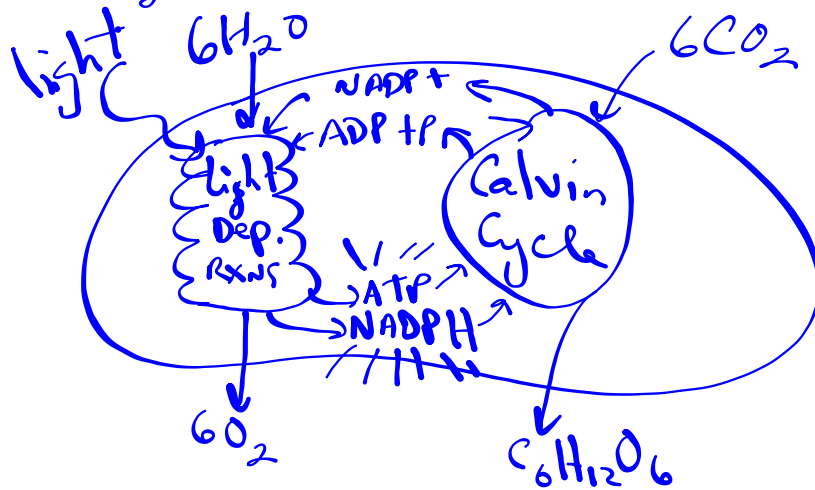
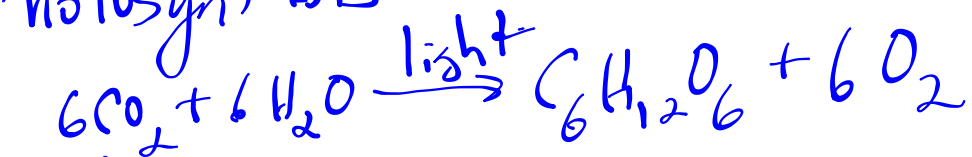
O_2

H_2O

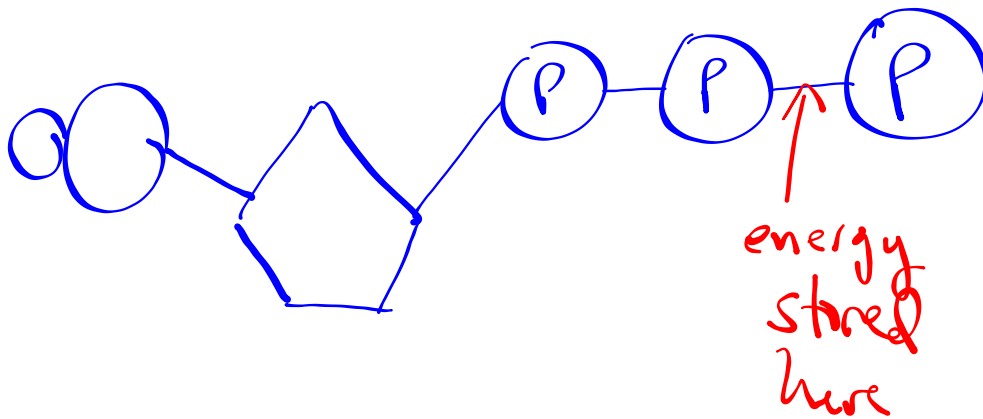




Photosynthesis



ATP



Pigments

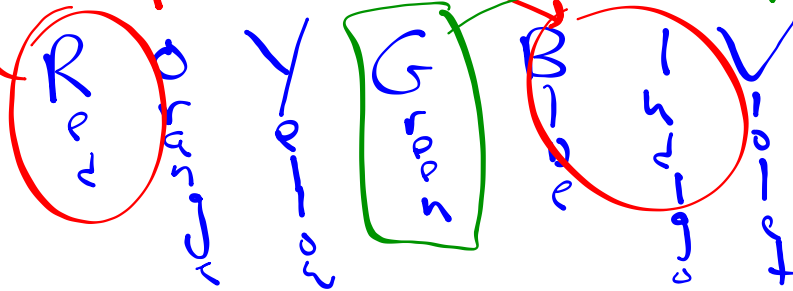
1. ability to dissolve
2. ability to form H-bonds w/ paper

— absorb light energy

— location: thylakoids

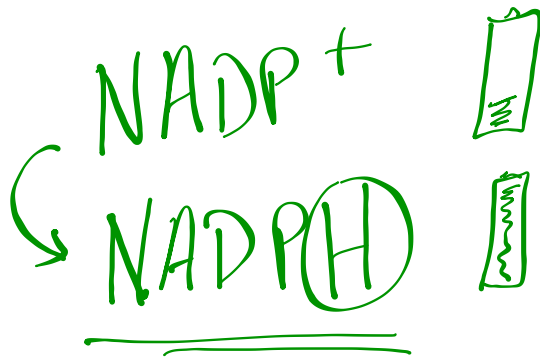
good absorption

poor absorption



RATE OF photosynth.

- light intensity
- H_2O avail.
- temp.



L. acid fermentation

< 90 sec.

~90 sec → 15/20 min: C.R.

> 15-20 min: metab. body fat

Effic:

38% of glucose energy avail. to cell
62% - given off as heat