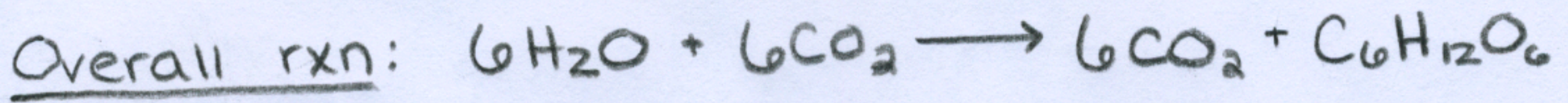


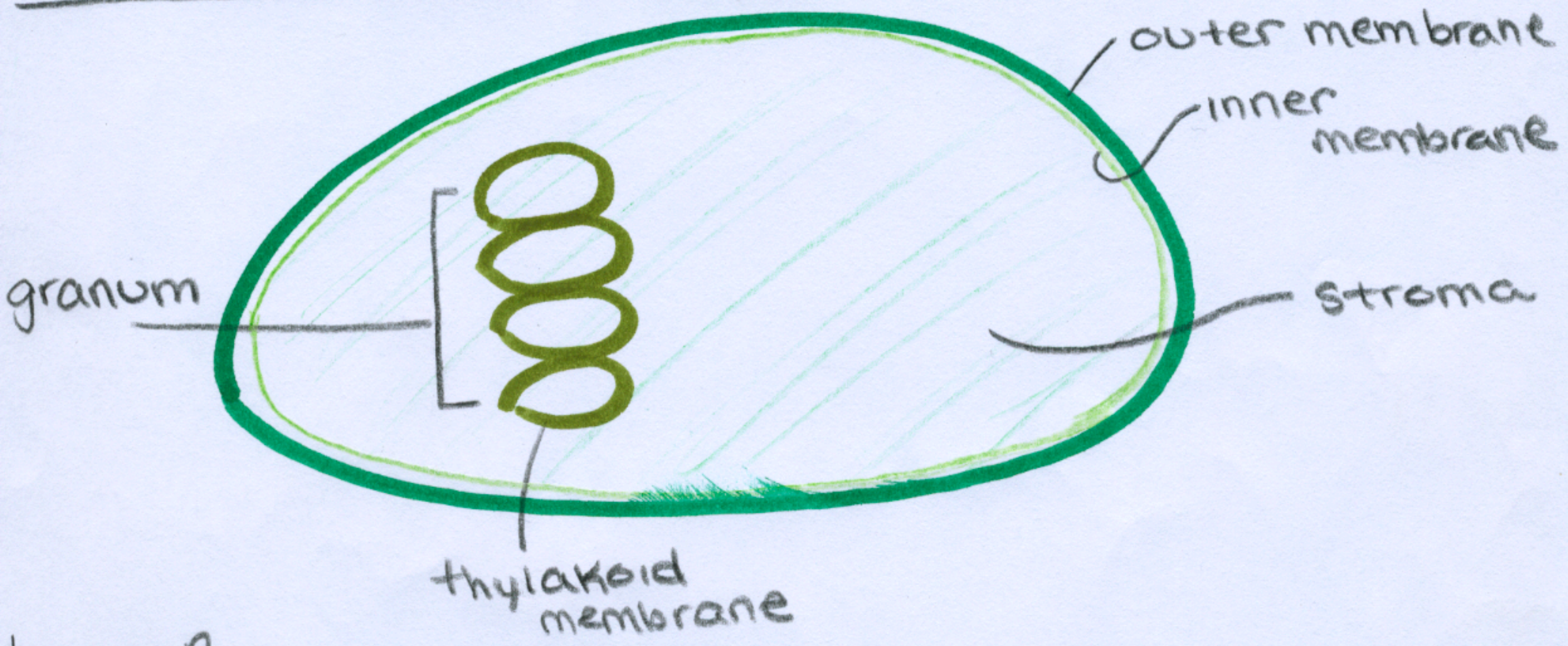
# Photosynthesis



2 stages

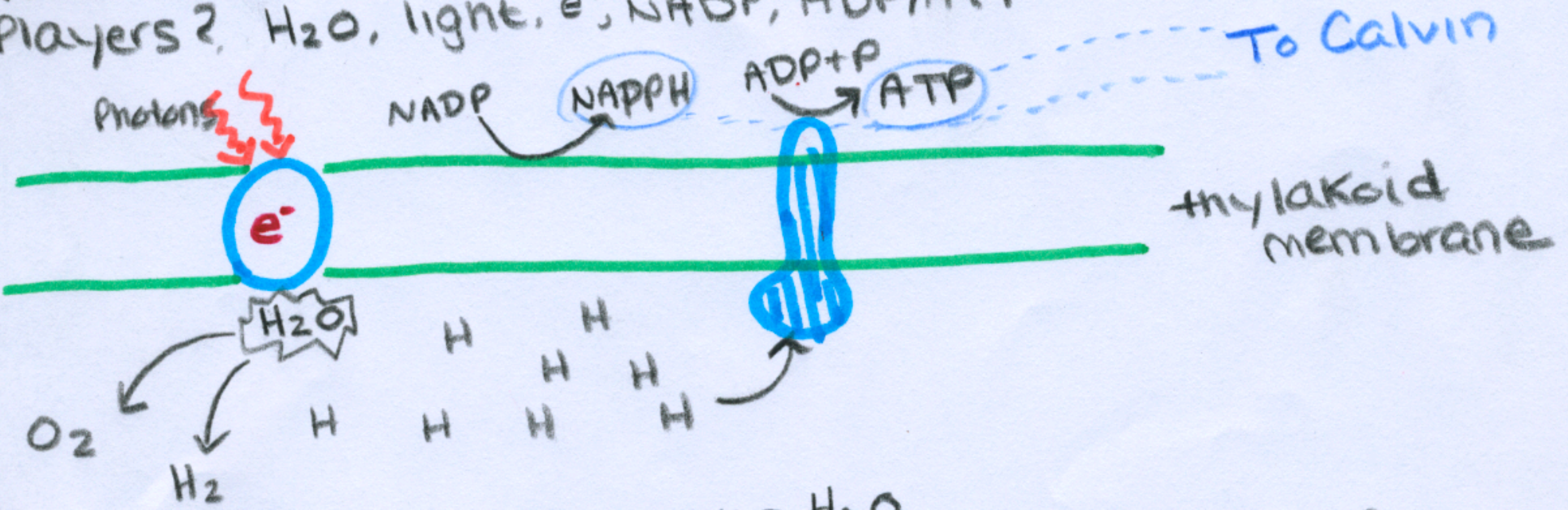
- ① Light Rxn
- ② Calvin Cycle

## Structure of Chloroplast



## Light Rxn

Where? thylakoid membrane  
 Players?  $\text{H}_2\text{O}$ , light,  $e^-$ ; NADP, ADP/ATP



- ① Photons excite  $e^-$  w/splits  $\text{H}_2\text{O}$
- ②  $\text{O}_2$  is released H can go to  $\rightarrow$  ETC to make ATP
- $\rightarrow$  NADPH