



learn more than I was

drooling on the table

A video game in a chloroplast.

This is punishment for me

being a bad student, isn't it?

Specifically, we're in a chloroplas

figure out this

game! Where do

we even start??









The chlorophyll uses the energy from the photon to help produce the six-sided rings of the sugar molecules. Carbon dioxide is used in the reaction, and oxygen is released afterwards.

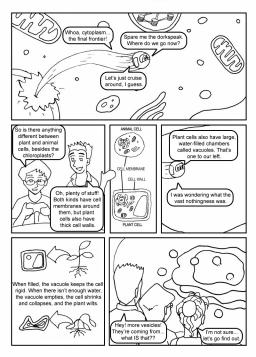


sugars too!

While you guys were discussing the wonders of biology, I caught more ATP!

We're very





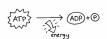






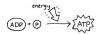


Well, ATP stands for Adenosine Triphosphate, meaning it had three phosphorus atoms.



By breaking the bond of one phosphorus, it releases the energy that was in the bond.

Then it becomes ADP - Adenosine Diphosphate. It's that released energy that makes reactions all over the cell possible. But to make more ATP, energy needs to be put back into the bond between ADP and the third phosphorus atom.



The mitochondria get that energy from the molecules in a process called respiration. The respiration reactions take place within the wrinkles inside the mitochondria, which has two membranes, like chloroplasts do.





me off right here, that

would be great!

to work here?

make proteins

