

## The Photosynthesis Song

<http://www.youtube.com/watch?v=IV-E68rh18>

I need a little light  
So I can store energy  
I need a little light  
So I can make ATP  
I need a little light  
I'm gonna make some food  
Its outta sight  
And I need a little light

Been sittin here in this chloroplast, feeling green the whole day through  
Yeah, I'm a little thylakoid, waitin for something to do  
I'm gonna move some electrons through a chain  
Thats gonna pump some hydrogen in  
But its been dark all night and you can see the state I'm in

### CHORUS

When the electrons leave the chain they're gonna join NADP (plus)  
And that high concentration of hydrogens gonna want outside of me  
Gonna go through a special protein thats gonna kick some ATP out  
Thats what movin these electrons is really all about

### CHORUS

The ATP and NADPH are gonna make a cycle go round  
At the end of the Calvin cycle glucose can be found  
You gotta put in 6 pieces of CO<sub>2</sub> to make that precious food  
And use up the products of the thylakoid, darn this systems good

### CHORUS

The chlorophyll that lost the electrons is gonna have to get some more  
So an enzymes gonna break apart water (using 6 no less no more)  
Its gonna produce 6 molecules of fresh O<sub>2</sub>, though the plant just thinks its waste  
Its amazing to think that this photosynthesis is happening all over the place