## Photosynthesis Notes

Sun's Radiant Energy A form of	energy
Iravels by	or
Makes life on Earth poss	ible
Moves through	
Can be absorbed, trans	smitted, or
Visible light energy is vito	al for plants to make their own
Why are Plants Green? Plants' cells have	, which contain the pigment 
Chlorophyll except green, which is _	most of the colors of the visible light spectrum
Notice that red is reflect	ted from the flower and from the leaf.
Three Reactants are Nee	eded for a Green Plant to Make its Own Food
	rom the Sun and nutrients from the soil(CO <sub>2</sub> ) from the air
	ss is called hours. Let's investigate further into
Light Energy The Sun or light from and	other source hits the leaves.
The pigment chlorophyl the	l (found in the chloroplasts) allows the plant to absorb
Only occurs in	leaves

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Water and Nutrier Two types of	<u>nts</u> tissues:	
	- transports water and nutrients from the	roots to the leaves
	·	
<u> </u>	- transports food from the leaves to the re	est of the plant
These are found in	n vascular plants.	
Carbon Dioxide CO <sub>2</sub> enters the leastomata)	af through small openings called the	(plural:
On either side of topening and clos	the stoma are sing of the stoma.	_, which control the
Green plants rem	ove tons of from the atmosp	ohere.
_	or making food in a green plant can be w	vritten in a
	e photosynthesis equation is written below alled the becau n.	
Write the equatio	n	
Two Products are	made during Photosynthesis	
1	(in the form of glucose)	
2.	(Yay! Just what we need!)	
In a chemical equ chemical reaction	uation these two things are the n.	of the
Glucose (sugar)		
Transported arour	nd the plant as soluble	
Plants can turn gl	ucose into starch for	
Cells walls in plan	ts are made of	
Plants also use sto	arches as a source of	•

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Oxygen is a	released during photosynthesis.
The $O_2$ moves out of the pla	int through the
The process of photosynthe	sis puts tons of back into our atmosphere
Law of Conservation of Mas Mass in an isolated system i a chemical reaction.	s neitherby
The mass of the	must equal the mass of the
(The number of	_ on both side of the arrow must be equal.)
Balancing the Photosynthes	is Equation – (write the equation below)
reactants side of the arrow	on balanced (same number of atoms on the as the products side), we have to add (the large numbers in this equation).
<u> </u>	- 6 carbon, 12 hydrogen, and 18 oxygen atoms
	- 6 carbon, 12 hydrogen, and 18 oxygen atoms
No mass is	during this chemical reaction.
Respiration To unlock the energy in the green plants need to	produced by photosynthesis,
	for,, and other
Unlike photosynthesis respir	