Photosynthesis: How Do Plants Make Food?

Pg 83-87

1. Photosynthesis is the proce	ess by which plants use the	to make	
	and		
2. How would a heterotrophic	c organism obtain food through photosy	ynthesis?	
3. Give an example of what yo	ou explained in #2.		
	is the process that converts e	energy of the sun, or	, into
5. What are the reactants of p	photosynthesis?		
6. What are the products?			
7. List and explain 3 types	of organisms that can photosynthesize		
8 is a 9. What are stomata?	green pigment in leaves that helps to c	capture solar energy.	
10	is the organelle in which photosyn	thesis takes place.	
11. Describe the outer memb	rane of the chloroplast.		
12. Describe the inner member	rane of the chloroplast.		
13. Draw a chloroplast and la	bel the thylakoid, inner membra	ane, outer membrane, and stro	ma.

15	_ cycles through the processes of photosynthesi	is and cellular respiration.	
16. The	process of photosynthesis does	happen in one step.	
	During these reactions	reactions because they only occur durir splits water to release	ıg
	and capture its energy.		
18. Draw the chlor	oplast in the middle of page 85 and label the ligi	ht dependent and independent reactions happening.	
	Cycle is the light-independent reaction is converted into glucose which is a type o	ns. During these reactions the of	
20. List the steps to	o the light reactions		
Light reaction 1:			
Light reaction 2:			
Light reaction 3:			
Light reaction 4:			
Light reaction 5:			
Light reaction 6:			

14. The overall chemical reaction for photosynthesis is?

21. **List the steps** to the Calvin Cycle