LL B	IOLOGY	Name:		_ @18A
Ch	apter 8 Test: Photosyn	the -	Im.	1312
Ener	gy in the Cell (12 pt)	A	45(90%) A 48(96%) M	: 47 (9
1.	(3pt) Draw a diagram of the ATP molecule		51.5 F	1: 51.5
2.	adening ribose (1pt) Draw a diagram of an ADP molecule		2014 11 4:851% H: 51.5	12 A:899 H:52
3.	ATP stands for Adenosine triphosphat	re	ju hao saow, t.t.	
4.	How is ATP different from ADP in structure?	less	phosphate	(AOP)
5.	How do ATP and ADP compare in how much energy is available?			
6.	What is the name for organisms that can capture e organic compounds? (like plants)		ght and store it ir	1
7.	What is the name for organisms that rely on energy made by other organisms (eating them)? heterotophs			
8.	Where is the energy stored in glucose?	nemical	bonds	_
9.	(2pt) Explain why the cell uses ATP instead of glucouse of an analogy to support your explanation. Like 4(0 bill -> cell		o big!	
	in vending machine. down into \$1 (ATP)			

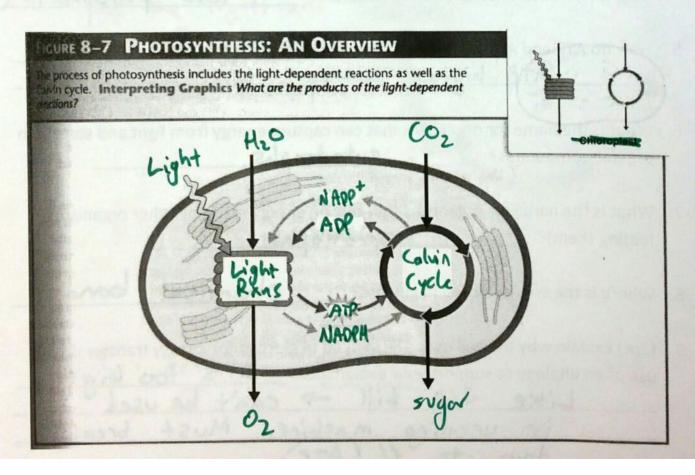
Photosynthesis Overview (20 pt)

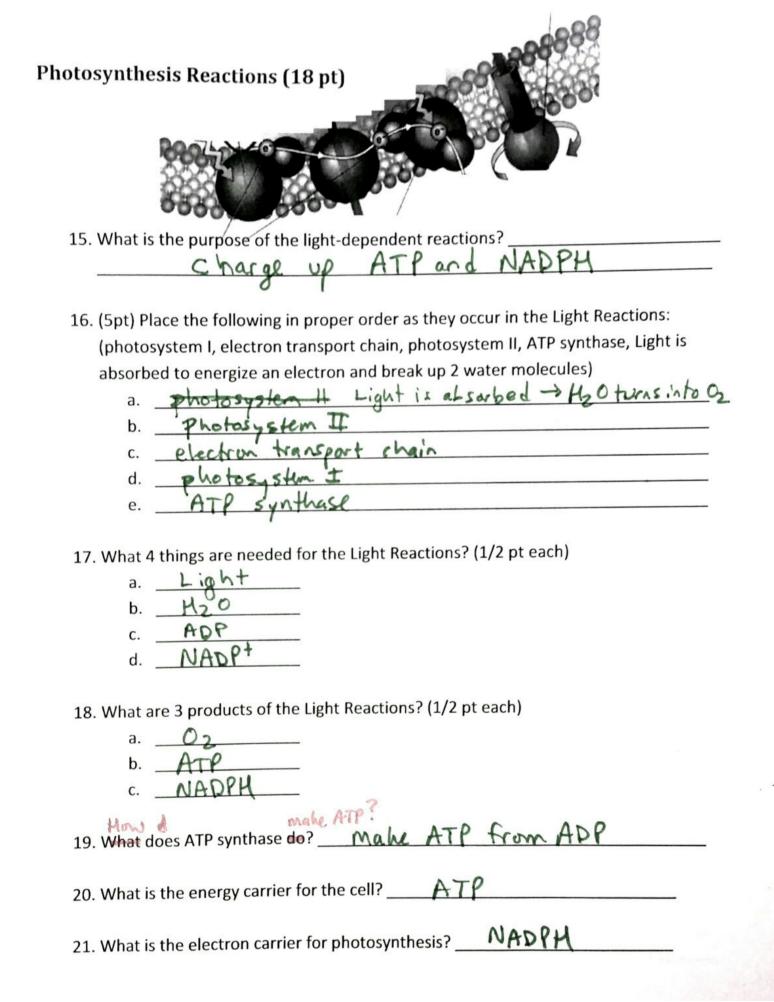
10. (6pt) Write the balanced equation of photosynthesis (hint: 2 reactants & 2 products plus something over the arrow). Use the proper chemical formula for each compound.

6002 + 6H20 1ight 1 C6H1206+ 602

11. What is the name of the green pigment required for photosynthesis? Chlorophyll

- 14. Complete the diagram of Photosynthesis: An Overview (11 pts)





22. What is	the purpose of the Calvin	Cycle? Male	s ug a/
23. It takes _	cycles to make a	glucose	molecule
a b	ATP NAPPH CO2	e Dark Reactions? (1/	/2 pt each)
a b c	oducts are made in the Da ADPT Sugars re in the Chlo		t each)
	re in the Chlores the light rx occur? thylakoids lain Cyde? Stroma		12 000

EC: Make Protein