Na	me_	Pd Date
Bio	logy	y
)		Photosynthesis Rap Questions
Ph	otos	ynthesis let's get into this discussion of sunlight and transformational energy.
	1.	Photosynthesis means to using energy.
	2.	Photosynthesis means to using energy. Plants take in 6 + 6 + light energy to make glucose and 6 O_2 .
	3.	The oxygen we breathe comes from plants from
	4.	During photosynthesis, energy is converted to energy.
	5.	Photosynthesis occurs in the of autotrophic eukaryotes.
	6.	
	7.	During the light reaction, light energy is captured by pigments in
	8.	When exposed to light, photosystems (clusters of light absorbing pigments) lose and create an
		electrical current.
		The photosystems are found in the inner membrane of the chloroplast called the membrane.
	10.	At the end of the light reaction, and NADPH (both fully charged batteries) are produced along
	11	with O ₂ from the splitting of water.
	11.	The chemical batteries produced during the light reaction (ATP & NADPH) are used in the second stage of
	12	photosynthesis called the or the dark reaction.
	12.	During the Calvin Cycle (Dark reaction), the energy stored in ATP and NADPH are used to fix
	13	from the air into simple sugars with the help of an enzyme called RUBP. Collectively photosynthesis occurs on the organ called a
		The food produced during photosynthesis provides the plant with a source of energy it needs to produce
	1-1.	via cellular respiration.
	15	Heterotrophs then can eat plants to get the energy they need to survive by breaking down their food with oxygen
	10.	in a process called to make ATP.
		to make A11.
		1618. Use the following terms: light energy, cellular respiration, and photosynthesis in the diagram below.
		10. 10. 000 the forms. Ingue energy, contain respiration, and photosynthesis in the diagram below.
		Autotrophs &
		Heterotrophs
Mary Control		
À		

WITH RAP VIDEO LINKS -