Name:			Date:		
	Hov	w Does Light Aff	fect Photosyntho	esis	
Go to www.biologybynapier.com , Cell Energy Unit page and scroll down to the Light & Photosynthesis link. Or type http://www.reading.ac.uk/virtualexperiments/ves/preloader-photosynthesis-full.html in the address bar.					
Click Instru	ctions and read	d the information. Click <u>St</u>	art to begin.		
Read the in	structions. Ma	ake sure you have reset yo	our clock and counter befor	re each trial.	
To analyze i	_	tht on photosynthesis, you	ı will calculate the rate of p	photosynthesis at different	
	he light 100 cm trials for each.	n away from the plant. Ru	n a total of 3 trials. Test ag	gain at 130 cm and 190	
	per Minute	100cm distance	130cm distance	190cm distance	
Trial 1	ВРМ)				
Trial 2					
11101 2					
Trial 3					
Avera	age BPM				
Questions:					
1. What happened as the light was moved further away?					
2. Why were bubbles counted to calculate the rate of photosynthesis?					
3. What product of photosynthesis was observable?					
4. Wh	4. What was your BPM (Bubbles per minute) reading for each distance –				
	a. 100 cm?				
	b. 130 cm?				
	c. 190 cm?				
5. Wh	at are the reac	tants of photosynthesis?			
6. Wh	at are the prod	ducts of photosynthesis?			

Question: How does light distance affect the rate of photosynthesis?

Claim An answer to the question based on the data. Answer in a complete sentence.				
Evidence	Summary of the data or observations (I²). What data supports your claim?			
Reasoning	Explanation based on the evidence to support your claim. Explain each piece of evidence with a reason.			
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