## CALVIN CYCLE WORKSHEET

Name		Period	
Fill in the blanks with the	following words/terr	ns:	
Carbon fixation C3 plants CAM CO <sub>2</sub> Organic compounds (sugar) two CAM pathway Day	RuBP stomata ATP stroma light intensity phosphate 4	PGA C4 Plants NADP+ ADP open C4 pathway 3	PGAL C4 pathway NADPH light night temperature closed enzyme
The purpose of the Calvin There a enzyme called Rubisco. R	are 3 steps to the Cal	vin cycle. In step 1, _	is fixed by an
	uring the	reactions. The r	number of molecules of ATP
used in step 2 is			
When ATF receives one formed, and then they can new ATP and NADPH.	from ATP to	produce PGAL. In ste	ep 2, ADP and NADP+ are
In step 3, 2 molecules of P or RuBP. Step 3 complete to fix more			and then it can be used again
In your own words, explai	n why the Calvin cy	cle is called a 'cycle'.	

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