Photosynthesis

	4.	С						
5.	(a)	Statement	Stage 1				1 mark for each correct column Any additional ticks in a column	
		Carbon dioxide required		~			e the marks for that column.	
		Light energy required	~					
		Water required	~					
		Sugar produced		~				
		ATP + Hydrogen required		~				
		Oxygen produced	~					
	enzymes / enzy needed (At high temper		is controlled by mes are 1 ratures) enzymes do not work. 1		2			
	(c)	Light Intensity Temperature	Light Intensity Femperature either order		1	Both r	Both required	
						Not A	Not Acceptable - Heat or light	
1.	(a)	Name of th reactions (Diffuses ou (1) Two produ	1) It of the l	eaf: oxyg	gen	3	both answers required.	
	(b)	stage: hydr Forms suga			1)	2	Any additional wrong biolog	
				s energy/hydrogen acts/joins with CO ₂ (1)			negates this mark. Any additional wrong biolog negates this mark.	
							Indicate correct and incorrect points and give overall mark by annotating with ticks/crosses.	

6	c .		
4.	В		
5.	В		
(c)	Light intensity/carbon dioxide concentration.	1	
(d)	Substance X - carbon dioxide /CO ₂ (1)	2	
	Substance Y - starch (1)		