	Answer all questions in the spaces provided.		
0 1	Heat stress is a condition that often occurs in plants exposed to high temperatures for a prolonged period of time. Heat stress is a major factor in limiting the rate of photosynthesis.		
0 1.1	Heat stress decreases the light-dependent reaction of photosynthesis.		
	Explain why this leads to a decrease in the light-independent reaction .	[2 marks]	
0 1.2	isco. A catalyses		
	A decrease in the activity of the enzyme rubisco would limit the rate of photosyn		
	Explain why.	[2 marks]	
0 1.3	Where precisely is rubisco found in a cell?	[1 mark]	



Scientists investigated the effect of temperature on the activity of two enzymes isolated from the leaf cells of cotton plants.

- Rubisco
- Rubisco activase an enzyme that activates rubisco

Figure 1 and Figure 2 show their results.

Figure 1

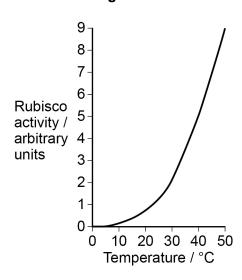
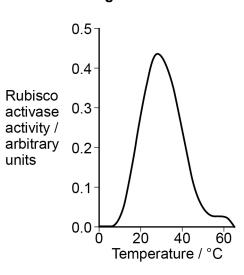


Figure 2



The scientists concluded that heat stress reduces the activity of rubisco in plant leaves by affecting rubisco activase.

Use all the information to evaluate their conclusi	O	r
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