

AS Level Biology A H020/01 Breadth in Biology

Question Set 10

a)		ables that the student we restigation valid.	vould need to control in	n order to make the
	1			
	2			
	3			
	3			
(b)	The data from th	ne student's experiment i	s shown in Table 26.	
(b)	The data from th	Concentration ofbromelain (%)	Rate of protein digestion (s ⁻	Standard deviation
(b)	The data from th	Concentration ofbromelain	Rate of protein digestion (s ⁻	
(b)	The data from th	Concentration ofbromelain (%)	Rate of protein digestion (s ⁻	deviation
(b)	The data from th	Concentration ofbromelain (%)	Rate of protein digestion (s ⁻¹)	deviation 0.00014
(b)	The data from th	Concentration ofbromelain (%) 0.010 0.025	Rate of protein digestion (s ⁻¹) 0.0037 0.0090	0.00014 0.00034
(b)	The data from th	Concentration ofbromelain (%) 0.010 0.025 0.050	Rate of protein digestion (s ⁻¹) 0.0037 0.0090 0.0155	0.00014 0.00034 0.00260

Explain what the standard deviation shows in Table 26.

(ii)

[2]

(c) Fig. 26 shows the results plotted on a graph with the standard deviations as error bars.

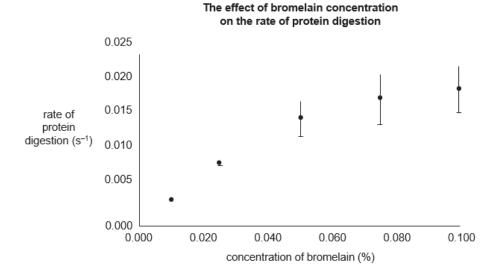


Fig. 26

Explain the pattern shown in the data using Table 26 and Fig. 26.

[3]

Total Marks for Question Set 10:9



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