

Question	Answer	Marks	AO Element	Notes	Guidance
1	<p><i>any two from:</i>                      ref. to specificity (of enzyme) ;                      shape of <u>active site</u> is <u>complementary</u> to, substrate / sucrose ;                      for, substrate / sucrose, to bind / fit, enzyme / sucrase / active site ;</p>	2			
2	<p>ref. to specificity ;                      (shape of) active site and substrate must be <u>complementary</u> ;                      to enable, enzyme and substrate to bind / enzyme-substrate complexes to be formed ;</p>	3			
3	<p>it increases the rate of a (chemical) reaction ;                      and is not changed (by the reaction) ;</p>	2			
4	<p><i>any two from:</i>                      respiration uses enzymes ;                      at high temperatures enzymes stop working / woodlice die ;                      AVP ; e.g. ethical treatment of woodlice / AW</p>	2			

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5	<i>any one from:</i> temperature ; concentration of substrate ; concentration of enzyme ;	1			
[Total: 10]					