

**Enzymes**

1.	(a)	(i)	mouth <b>or</b> saliva	1	
			<i>accept small intestine</i>		
			starch	1	
			maltose <b>or</b> glucose	1	
			<i>do not credit sugar</i>		
		(ii)	small intestine	1	
			<i>accept duodenum <b>or</b> jejunum</i>		
			<i>do not credit intestines</i>		
			fats <b>or</b> lipids <b>or</b> oils	2	
			fatty acids <b>or</b> glycerol		
	(b)	(i)	salivary	1	
			<i>accept pancreas</i>		
		(ii)	pancreas	1	
			<i>accept small intestine <b>or</b> ileum</i>		
					<b>[8]</b>
2.	(a)		microorganisms	1	
	(b)	(i)	proteases	1	
			clear indications of correct answer		
		(ii)	amino acids (both words)	1	
			clear indications of correct answer		
	(c)	(i)	14	1	
		(ii)	mark independently		
			enzyme Z	1	
			<i>clear indication of correct answer</i>		
			takes least time (to pre-digest protein) / works fastest	1	
			<i>allow <u>only</u> 7 minutes / less time / faster</i>		
			<i>do <b>not</b> allow works best</i>		
		(iii)	temperature	1	
			pH	1	
					<b>[8]</b>