Progress check

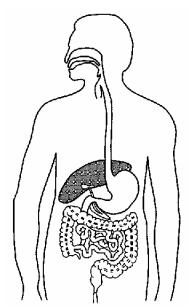
Unit B2, B2.5.2



Enzymes

2.

1. The diagram shows the digestive system.



(a)	Complete the following sentences about digestive enzymes.					
	(i)	Amylase works in the where it is involved in the				
	diges	tion of	(3)			
	(ii)	Lipase works in the where it is involved in the	(0)			
	.,	tion of				
	uiges		(3)			
(b)	Whicl					
	(i)	amylase;	(1)			
	(ii)	lipase?				
			(1) (Total 8 marks)			
Enzy	mes ha	ave many uses in the home and in industry.				
(a)	Which type of organism is used to produce these enzymes?					
	Tick (\checkmark) one box.					
	Mami	nals				
	Micro	organisms				
	Plant		(1)			



(1)

Progress check

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(b) Babies may have difficulty digesting proteins in their food. Baby food manufacturers use enzymes to 'pre-digest' the protein in baby food to overcome this difficulty.

Use words from the box to complete the sentences.

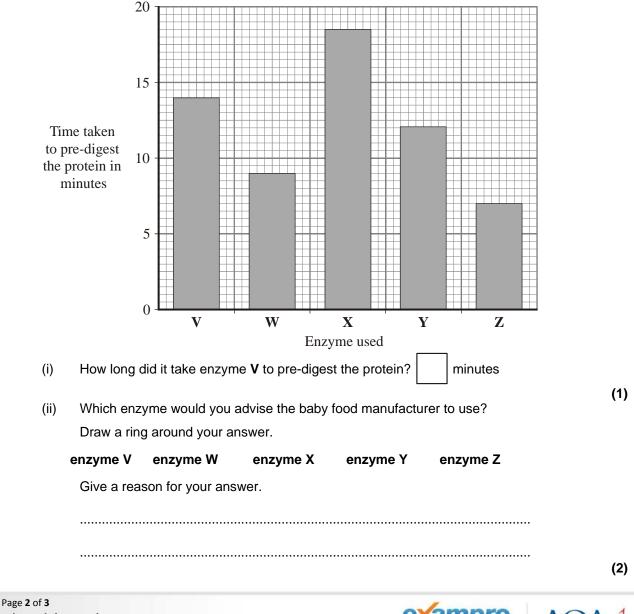
ami	no acids	amylases	proteases	sugars
(i)	Proteins are '	pre-digested' using enz	ymes called	
(ii)	This pre-dige	stion produces		

(c) A baby food manufacturer uses enzyme V to pre-digest protein.

He tries four new enzymes, $W,\,X,\,Y$ and Z, to see if he can reduce the time taken to predigest the protein.

The graph shows the time taken for the enzymes to completely pre-digest the protein.

The manufacturer uses the same concentration of enzyme and the same mass of protein in each experiment.



EXTRA ONLINE

Progress check Unit B2, B2.5.2



(iii) Give **two** factors which should be controlled in the baby food manufacturer's investigations.

Tick (\checkmark) two boxes.

Oxygen concentration	
Temperature	
Light intensity	
рН	

(2) (Total 8 marks)

