

# AQA Biology

## GCSE Student book answers

## B3 Practice questions

Question	Answers	Extra information	Mark
01	a cell		1
	a tissue		1
	an organ		1
02.1	A eye B liver C kidney D testis	allow testes / testicle	1 1 1 1
02.2	eye / A		1
03.1	a group of organs that work together to perform a specific function		1
03.2	to digest food		1
	to absorb food (molecules)		1
03.3	produces protease  produces hydrochloric acid  to provide the correct pH for the enzyme to work	allow lining of stomach contains secretory glands	1  1  1
04.1	any <b>two</b> from: <ul style="list-style-type: none"> <li>too hot and the enzyme might be denatured</li> <li>cooler and the enzyme would work more slowly</li> <li>warmer and the enzyme would work faster</li> </ul>	allow the temperature affects the rate of enzyme activity	2
04.2	iodine solution		1
	turns black / blue-black		1
04.3	the time for the starch to be digested / disappear		1
04.4	time on y-axis and pH on x-axis; both axes labelled correctly; suitable scales chosen for both axes		1
	points correctly plotted	allow 1 mark for 4 to 6 points correctly plotted allow +/- ½ a square	2
	curve drawn through the points	allow +/- ½ a square	1

04.5	7.3	allow value in range 7.2 to 7.4 allow 'between pH 7 and 7.5' allow ecf from their graph	1
04.6	any <b>two</b> from: <ul style="list-style-type: none"><li>• same result at pH 7 and 7.5</li><li>• interval between pH values too wide</li><li>• accuracy of result only to nearest half minute</li><li>• no mention of repeats</li></ul>		2