## AQA, OCR, Edexcel

## **GCSE Science**

## **GCSE Biology**

**Diffusion Questions** 

Name:



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Total Marks: /18

Q2: Draw an arrow to show the concentration movement High Concentration	Low
10.75 M	Low Concentration
10.75 M	5757
Concentration	Concentration
	(1 mark)
23: Give 2 examples of diffusion occurring in the body.	
·	(2 marks)

Visit <a href="http://www.mathsmadeeasy.co.uk/">http://www.mathsmadeeasy.co.uk/</a> for more fantastic resources.

	t to design an experiment to investigate the rate of could the students change to see the effects on diffu	
	<u> </u>	
		(3 marks)
Q5: Using the graph k	pelow, plot what the rate of diffusion would be.	
	1	
Volume		
	Surface Area	
		(2 marks)

			(3)
			,
: Name 2 substances	hat leave the cel	by diffusion.	
	1		1
: Cells surface to volur	ne ration can be	calculated using cube	es as examples.
	1cm	2cm	3cm
Surface Area	ICIII	ZCIII	SCIII
(cm <sup>2</sup> )	6	24	54
	1	8	27
Volume (cm³)	1		
1	1		
Volume (cm³) Surface Area:	1		
Volume (cm³) Surface Area: Volume		d fill in the surface a	rea to volume ratic
Volume (cm³) Surface Area: Volume		d fill in the surface a	rea to volume ratic
Volume (cm³) Surface Area: Volume		d fill in the surface a	
Volume (cm³) Surface Area: Volume		d fill in the surface a	rea to volume ratio
Volume (cm³) Surface Area: Volume		d fill in the surface a	

 $\label{thm:linear_variation} \mbox{Visit} \ \underline{\mbox{http://www.mathsmadeeasy.co.uk/}} \ \mbox{for more fantastic resources}.$ 

Q9: Explain how the digestive system has adapted to provide efficient diffusion in the intestine.	:
	_
	_
	_
	_
	_
(6 mark	– ks