

Question			Answer	Mk
1.	a.	Give one thing that we could measure about this river.	Depth/velocity/stone size/sediment type etc.	1
	b.	Give one risk associated with this environment.	Falling/drowning/animals/sunburn etc.	1
	c.	Give two ways in which we could safely avoid this risk.	Wear safe shoes, cover up from the sun, stay in groups, use named safety equipment	2
2.	a.	Name the piece of equipment in the picture.	Quadrat	1
	b.	Outline an experiment to estimate the number of sea anemones on this beach.	Award a mark for each valid point. Use a quadrat/place randomly/systematically/count the organisms/description of how to count them/find percentage/take average/estimate for whole beach	4
3.	a.	What kind of survey would this table be used for?	Environmental	1
	b.	Explain two problems with this type of survey.	Explain any two: <ul style="list-style-type: none"> • Too subjective • Problems associated with risks • Difficulty finding sites • Hard to measure air quality etc. accurately • Only samples 4 sites 	4
4		Explain how you would conduct a safe fieldwork trip to a river to see how the depth of the river changes across its width. Aim to mention what you would do, as well as how you would analyse the data you gather.	For this question, use the following best fit from the table below.	10

Level 1	<p>Describes a basic experiment with some valid points.</p> <p>No mention of safety</p> <p>No mention of analysis</p> <p>Low quality of English – SPaG (Spelling, punctuation and grammar)</p>	1-3
Level 2	<p>Explains a basic experiment.</p> <p>Little mention of safety</p> <p>No mention of analysis</p> <p>Good SPaG – some mistakes but not many.</p>	4-7
Level 3	<p>Explains how a useful, safe experiment would be completed.</p> <p>Some mention of analysis (finding the mean depth, creating a line graph etc)</p> <p>Excellent SPaG with very few errors.</p>	8-10

When you have found a mark out of 24, use this grid to show what grade you have achieved:

Marks	Grade
10 or less	2
11-14	3
15	4c
16	4a
17	5c
18	5b
19	5a
20	6c
21	6b
22	6a
23	7c
24	7b