

Question				
1.	a.	How does a trawler net catch fish?	Mention of dragging a net along the bottom of the ocean.	1
	b.	Give one way that trawling can damage the ocean.	One point from:  It breaks up the sea bed. It can lead to overfishing. It can accidentally catch unintended creatures, i.e., dolphins. Any other valid idea.	1
	c.	Give two alternative ways of catching fish.	2 from  Different net types (seine, drift etc.) Rod and line. Mud-horse fishing Any other valid method.	2
2.	a.	Which zone is marked 'x'?	Midnight Zone	1
	b.	Explain how the creatures in the Hadal Zone have access to food to survive.	Award one mark for each of the following points. Award a maximum of two marks for a point if it is explained in detail.  <ul style="list-style-type: none"> <li>• Phytoplankton in the Euphotic (Sunlight) zone photosynthesise.</li> <li>• Zooplankton eat phytoplankton.</li> <li>• Fish and other creatures that feed on zooplankton die and drift down to the sea bed.</li> <li>• Some creatures are predators and hunt other creatures in the Hadal Zone.</li> <li>• Mention of nutrients raining down from zones above.</li> </ul> Accept any other relevant points/explanation.	4
3.	a.	Where in the ocean did these men take Trieste?	Challenger Deep  Accept Mariana Trench but not 'The Pacific.'	1
	b.	Explain two problems that these men and their scientific team had to overcome to make their journey	Award a maximum of two marks for any <b>two</b> of these points. 1 mark if mentioned, 2 if mentioned with explanation. Do not award marks for any points beyond the first two given.  <ul style="list-style-type: none"> <li>• Extreme pressure.</li> <li>• Lack of lighting.</li> <li>• Lack of experience.</li> <li>• Fear of death.</li> <li>• Gathering enough money.</li> </ul> Accept any other relevant points.	4

4.	a.	Describe two ways in which plastics damage our oceans.	<p>Accept any two ways the ocean can be damaged.</p> <ul style="list-style-type: none"> <li>• Microplastics release toxins.</li> <li>• Plastic nets etc can tangle sea creatures.</li> <li>• Turtles eat plastic bags.</li> <li>• Seabirds feed plastic to their chicks, killing them.</li> <li>• Visual pollution.</li> <li>• Microplastics cover the seabed.</li> <li>• Any other valid point</li> </ul>	2
	b.	Explain how you think we could best deal with plastic in our oceans. Discuss some ways we can help and decide which way would be the best way forward. Aim to mention as many methods as possible and come to a clear conclusion as to which is best.	For this question, use the following best fit from the table below.	

Level 1	<p>Describes at least one way we can reduce plastic entering the ocean or remove the plastic that is there.</p> <p>May not explain in detail and may not show an opinion as to the best method.</p> <p>Low quality of English – SpaG (Spelling, punctuation and grammar)</p>	1-3
Level 2	<p>Explains multiple ways plastics may be dealt with.</p> <p>Comes to a conclusion as which method is best, but may not explain this in detail.</p> <p>Good SPaG – some mistakes but not many.</p>	4-6
Level 3	<p>Complex explanations of multiple methods.</p> <p>Clear statements showing how/why chosen advice is better than others.</p> <p>Excellent SPaG with very few errors.</p>	7-8

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