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مؤسسة الإمارات للتعليم المدرسي
EMIRATES SCHOOLS ESTABLISHMENT

Cycle 3 Term 3 (2020-2021)
Reading Journal
Grade 12 Advanced, Level 8

Term 3 - 2020/2021

Assessed Project: Reading Journal

Student's Name:

Grade/Class: Grade 12 Adv

Date: / 5 / 2021

Reading Journal Sample
Grade 12 Advanced, Level 8

Student Name: _____ **Class:** Grade 12 Adv. Boys **Date:** ... / 5 / 2021

Title **The Great Pacific Garbage Patch (Unit 8 Environment – Lessons 3-4)**

Source **Term 3 Grade 12 Adv CB page 3**

Reading Goals

Aligned to Level 8 NELCF Learning Outcomes above.

Text

Scientists and environmentalists have described a vast patch of floating rubbish in the Pacific Ocean. A large proportion of waste ends up in the ocean due to the North Pacific gyre. This is a current that accumulates rubbish and deposits it into a massive area known as the Great Pacific Garbage Patch.

Around 80% of the debris comes from North America and Asia, while the remaining 20% comes from boats, shipping containers and oil rigs. While there are many different types of rubbish discarded into the ocean, plastic makes up the majority as it is cheap to produce and durable. The problem with plastic is that it does not biodegrade, it simply breaks down into smaller and smaller pieces.

The Garbage Patch has been described in different ways. 'The Pacific Garbage Patch is a huge environmental problem, so big that it is becoming visible from space.' Hewson (2013:118).

However, others suggest that this is not true, and an accurate description of the problem is required. According to Edwards (2015), plastic breaks down into smaller pieces called microplastic which is more worrying as fish and other marine life will ingest it. Lynott and Turner (2014), suggest that as the population expands and more rubbish is dumped into our oceans, this problem is going to get bigger and microplastic will begin to enter the human food chain and could potentially be catastrophic for peoples' health.

The dense microplastic cloud in the water blocks light, penetrating to the deeper levels of the ocean, which in turn prevents plankton and algae growth. Plankton is a major source of food for small marine life, and it is on these that larger fish such as tuna depend. So, the potential for damage to the entire marine food web is high.

Questions

Answer each question with at least one complete sentence.

Textual Evidence

Write down the words or sentences from the text that

		<i>helped you answer each question.</i>
Understanding Overall Meaning and Main Ideas	Why is the North Pacific gyre important?	The Pacific Ocean is very important because all the oceans pass through this ocean and dump their waste into the Pacific Ocean
Identifying Specific Information and Inferencing	Why is plastic and other rubbish considered harmful?	Plastic does not degrade and this causes a disaster for marine life because it blocks the light from the fish and the oxygen will be reduced due to the lack of algae growth and the fish can eat it.
Making Connections	Describe how the food web is impacted by Garbage Patch.	All nature has a food web For example, in the Pacific Ocean there are plankton and these plankton ,that is, small fish feeding on plants in the ocean and tuna fish feeding on these plankton, if the food web is affected by the disappearance of these small fish, the tuna fish will not find anything to feed on And here it will happen. Malfunction of the food web
Reflection		
<p>ü How can you help keep the oceans around the UAE clean?</p> <p>ü Establishing laws such as a fine for everyone who pollutes the sea.</p> <p>ü Holding periodic campaigns to clean the sea.</p> <p>ü Educating the community about the dangers of sea pollution.</p>		