

The 7 Steps - August



Ocean Plastic

1. CONTEXT

Mindmap anything you know about the topic, including vocabulary. Do some research online to help.

2. QUESTIONS

Read the listening questions to check your understanding. Look up any new vocabulary.

Listening Questions 1

1. What is the Great Pacific Garbage Patch?
_____.
2. How does the Patch form?
_____.
3. What does the majority of the patch consist of?
_____.
4. How does the Patch harm marine life?
_____.
5. What does Ocean Cleanup hope to accomplish? How will they do this?
_____.

Listening Questions 2

1. What are three companies that use ocean plastic in some of their products?
_____.
2. What material is used in Pharrell Williams and G-Star RAW's fashion line?
_____.
3. What is the motivation for some companies to use ocean plastic?
_____.
4. What does Method produce from ocean plastic?
_____.
5. How does the Plastic Bank function?
_____.

3. LISTEN

Listen and answer the questions using full sentences. Circle the number of times and % you understood.

| Listening 1 | | | | |
|-------------|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| | | | | |
| % | % | % | % | % |

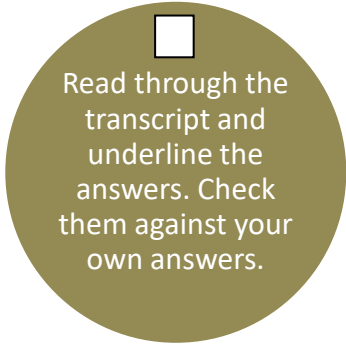
| Listening 2 | | | | |
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Discussion Questions

1. Are you concerned about environmental issues? Do you make an effort to reduce plastic use?
2. What 'green' technology have you heard of recently? How important do you think green technology will be moving forward?

TRANSCRIPT 1

4. CHECK ANSWERS

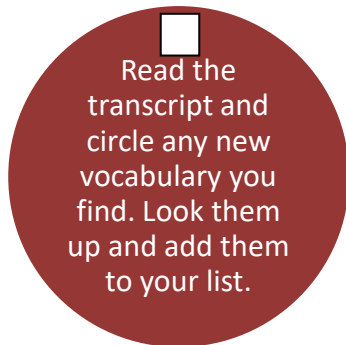


One **mainstay** of modern life, plastic, has been gaining attention in the news recently. Concerns have been raised about the increase of plastic waste in oceans, in particular the Great Pacific Garbage Patch. The Great Pacific Garbage Patch is a vortex of trash, primarily plastic, that stretches from the west coast of North America all the way to Japan.

The Patch is the result of various currents all flowing towards each other creating a gyre or rotational vortex which pulls in trash from both sides of the Pacific. Most of the patch consists of non-**biodegradable** plastic that is invisible to the naked eye, known as micro-plastic. This micro-plastic is consumed by a variety of marine life and has numerous negative effects on the ecosystem. Marine animals mistakenly think they are eating food, and can be poisoned if they consume the micro-plastic.

Responses to the Patch are already **underway**. One innovator trying to address this issue is Boyan Slat. A Dutch inventor, Slat is the founder and CEO of Ocean Cleanup, a company dedicated to developing technology to remove plastics from the Ocean. The company hopes to use the natural currents of the ocean to funnel the plastic and other trash into high tech filtration systems deployed in key areas of the Pacific Ocean. Slat started the company at just 18 years of age.

5. CHECK VOCABULARY



MATCH THE ANTONYMS BY DRAWING LINES BELOW:

Reconstituted

Rarity

Biodegradable

Restrict

Underway

Unbreakable

Mainstay

Traditional

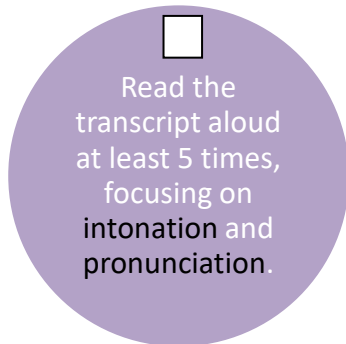
Extend

Halted

Cutting edge

Destroyed

6. READ ALOUD



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| 1 | 2 | 3 | 4 | 5 |

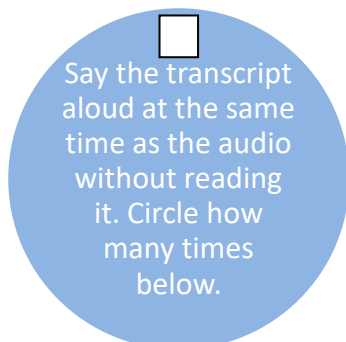
TRANSCRIPT 2

Ocean Cleanup is not the only company that has expressed interest in ocean plastic. A number of companies in the fashion industry have also begun to use ocean plastic in their products. Companies such as Adidas, Nike, and Patagonia have all begun to use recycled ocean plastic to produce new products, such as 3D printed running shoes.

In addition, musician and fashion designer Pharrell Williams has also collaborated with G-Star RAW to launch a new line, RAW for the Oceans, which uses recycled plastic **reconstituted** as a clothing material called Bionic Yarn. This **cutting edge** technology can then be used to develop a variety of fashion items such as jeans, t-shirts, and modern kimonos. Companies are motivated to use ocean plastic because there is an abundance of it, and it can help promote their image as socially responsible companies.

The trend of using recycled ocean plastic **extends** beyond the fashion industry. Other industries have also entered the ocean plastic market. For example Method, a cleaning supplies company, now produce dish soap made from recycled ocean plastic. There is even an organization called Plastic Bank, which allows people in developing nations to collect ocean plastic and sell it to the company for currency. This plastic is then resold to other companies who use it in their own products.

7. SHADOWING



| | | | | |
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| 1 | 2 | 3 | 4 | 5 |