

**TESTUA IRAKURRI AURRETIK**

- What type of text is a report? What content does a report include?
- After reading the first paragraph can you imagine what Boyan came up with after his research?
- Do you know any method to clean up the sea?
- Besides the issue presented in the text (the plastic litter that ends up in the oceans) what other pollution problems come to your mind? Name at least three.

Orain testua irakurri eta ...

IRAKURTZEN DUZUN BITARTEAN.

- Underline unknown words; try to guess what they mean.
- Find 4 words related to the topic: the environment.



Cleaning up the sea

When Boyan Slat was 16 years old, he went diving in Greece. While in the water, this Dutch boy made a very unpleasant discovery - there were more plastic bags than fish in the sea. He decided to research this problem for his school science project.

Boyan discovered that millions of tonnes of plastic have reached the oceans. About 288 million tonnes of plastic are produced every year and it takes many years for plastic to decompose. Most of the plastic litter is dumped in landfills, but approximately 10% of the litter eventually ends up in the ocean. Plastic bags form concentrations with other items of plastic in the ocean due to rotating currents called gyres. All the plastic in our oceans covers an area of millions of square kilometres and is moving in all the time because of these gyres. Consequently, cleaning the plastic up is a major challenge.

Boyan learnt that until now, people have attempted to clean up the plastic with nets. In an interview, he said that using ships with nets to clean up the plastic would cost billions of dollars and take thousands of years. Moreover, he warned that many fish would get caught in the nets. Boyan wondered if he could come up with a different solution. After working with a team of experts, he found it. His idea is to use floating barriers. The ocean's currents will carry the plastic bags into an area where they are surrounded by the barriers. Because the barriers are above the water, there will be no harm to sea life. The plastic that is collected will be recycled into oil and other materials, so his project will even be profitable.

When Boyan started the project, he had a budget of €200 from pocket money that he had saved. He set up a foundation called Ocean Cleanup and gave a TED conference to explain his plan. Nothing happened. Then, months after he had given his talk, the video of his talk went viral. He received around, 1,500 e-mails a day from people all over the world. They offered to help and in 15 days, he had received €73,000. Within little more than a year, Ocean Cleanup had almost €2 million.

Boyan said that public awareness was very important. He added that he hoped people would take the issue more seriously, thanks to his project.



TESTUA IRAKURRI OSTEAN

- What do the following numbers represent in the text? (Galdera zuzena)
200 - 1,500 - 16 - 10 - 15 - 288 million - billions.
- Are the following statements true or false? Justify your answer. (Galdera zuzena)
 - The best option for cleaning up the sea is the use of plastic nets.
 - Rotating currents are a major challenge for cleaning up the sea.
 - Nothing happened after Boyan gave his TED conference.
 - Boyan wishes people took the issue more seriously.
- Find words in the text to match the words and definitions below. (Interpretazio galdera)
 1. Not nice
 2. Something that is difficult
 3. Lying in top of the water
 4. Organization
 5. Subject
- Put the pictures in the correct order. (Interpretazio galdera)



- What is your opinion on the use of plastic and disposable products? How can we avoid using plastic? (Iritzi galdera)