



Ahh, there's so much trash here.

here's all kinds of trash scattered around.





Gring and Woodin, you picked up some trash over there. didn't you?

the Blue Planet Prize



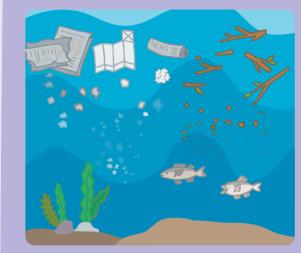




Professor Tamara Galloway (left) Professor Penelope Lindeque (right) 2024 Laureate of the Blue Planet Prize

Look at all these plastic bottles and plastic bags!

Unlike paper and wood, plastic bags and items of similar material take a long time to break down, so they just stay around.



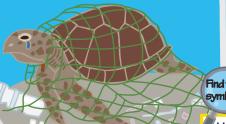




Is that why there's so much of it?

They say that by 2050, the weight of plastic waste in the ocean will outweigh the weight of all the fish combined!





I've seen a picture of a turtle entangled in a fishing net.



Hidden on pages 1-7 (one on each page) are Blue Planet Prize symbols in various colors! Can you find them all? Check out the answers





Look what's inside this dish!



Tiny pieces of plastic less than 5mm are called microplastics. Plastic waste breaks down into smaller and smaller pieces over time as it is battered by waves and exposed to intense sunlight.

It is worth noting that some cosmetics and facial cleansers contain microplastics as an ingredient.

Are microplastics harmful?

The effects of microplastics on humans are still not fully understood yet. Take a look through this microscope.

Fluorescence microscopy



These are even



Research reveals that zooplankton consume microplastics, mistaking it for food.

Ah, I'm full!

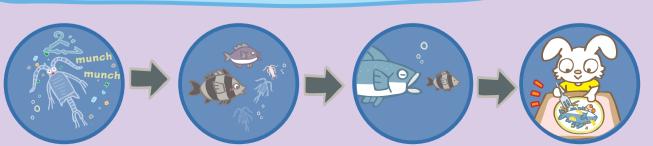
As a result, they might eat less of their regular food, leading to nutrient deficiencies.

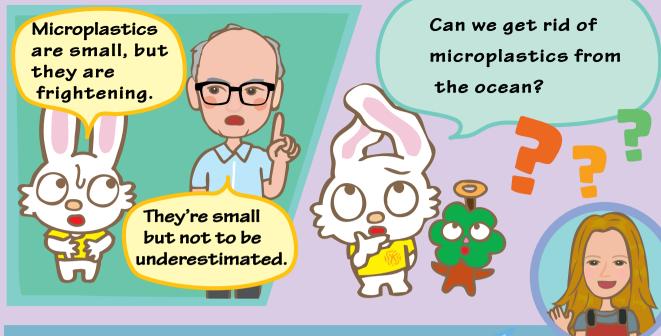
Microplastics can also absorb toxic chemicals from the surrounding environment.

Microplastics are swallowed by tiny sea creatures called zooplankton.

Small fish then eat the zooplankton, and bigger fish prey on the smaller fish.









For example, we can use bivalves like mussels.

Mussels ingest large volumes of seawater along with their food, and they excrete microplastics in their feces.

Reducing plastic consumption requires the development of alternative materials. We're now developing materials that degrade easily in the natural environment, utilizing fibers extracted from banana peels.







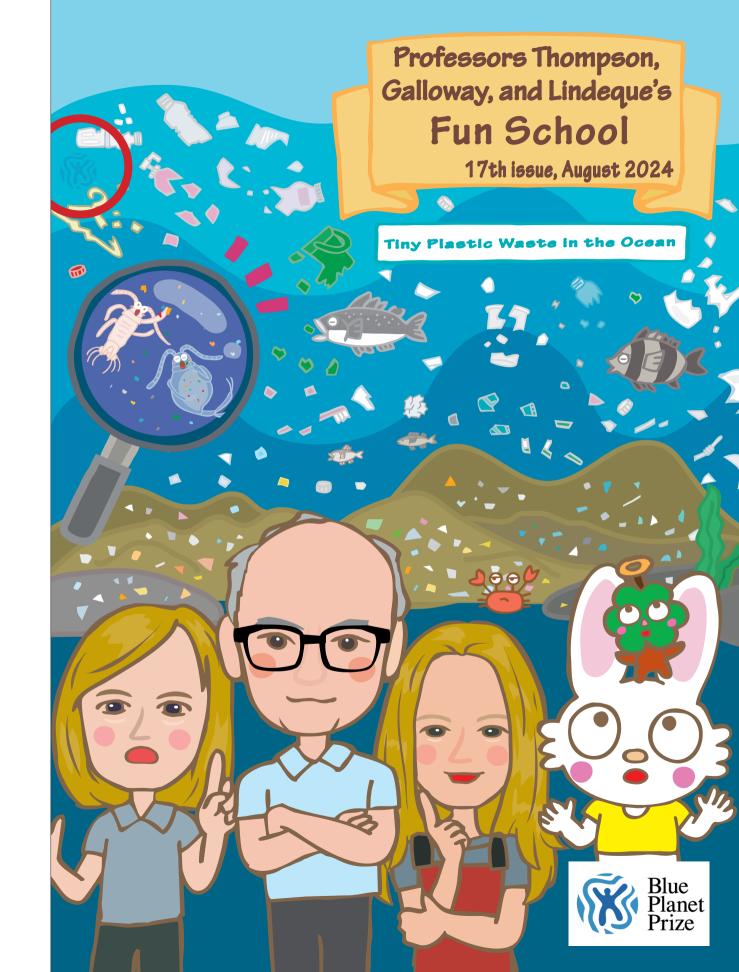
Refusing plastic bags and using reusable bags when shopping. Carrying a personal water bottle. It's essential to make a conscious effort to avoid using single-use plastics in our daily lives. If each of us takes responsibility, we can significantly reduce plastic waste.







Did you find all the symbols?
Here are the answers!



Gring and Woodin have come to play at the beach today!



Ahh, there's so here's all kinds of trash scattered around.





Look,
there are a
group of people
picking up trash
on the beach.

Gring and Woodin, you picked up some trash over there, didn't you?



Professor
Richard Thompson
2024 Laureate of
the Blue Planet Prize

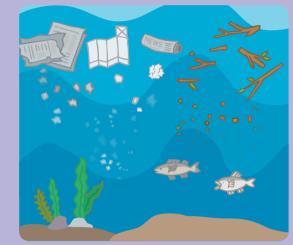
Thank you for helping us.



Professor Tamara Galloway (left)
Professor Penelope Lindeque (right)
2024 Laureate of
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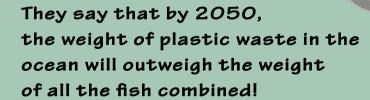
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Find the eymbols!

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This  $\rightarrow$ 







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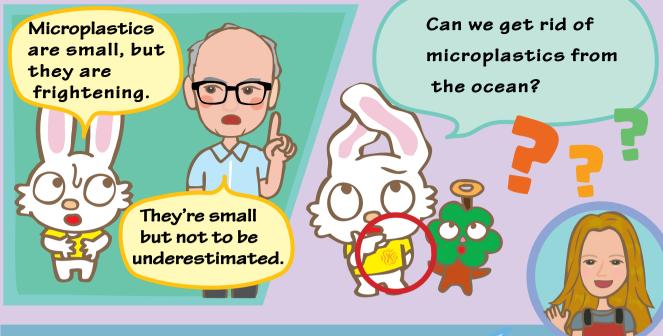
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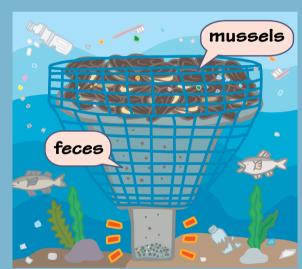
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Humans then eat the bigger fish, and the microplastic pollution spreads more and more.









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