

Team Name: What We Grew

Username: tahirahcollins

School: Jericho High School

OUR ACTIONS MATTER! OCEANS ARE FALTERING AND IT'S NOT DUE TO NATURAL CAUSES.

The ocean is the heartbeat of our planet. Covering more than two thirds of the Earth, the ocean is home to hundreds of thousands of species and complex, interwoven ecosystems where the tiniest of plankton to the mightiest of whales live in perfect balance. The vivid colors of marine life seen in coral and schools of fish, as well as the hypnotizing, rhythmic movement of the waves is nothing short of astounding.

Beyond its beauty, the ocean sustains humanity as we know it. It provides food for billions, serves as a highway for global trade and travel, and fuels economies through industries like fishing and tourism. The ocean also produces oxygen and absorbs a large amount of the carbon that would otherwise overheat our world. Not only does the ocean support our livelihoods, but we share a connection that is deeply personal. Some of our most cherished memories are at the beach- swimming the waves and collecting shells along the shore.

However, the actions of humans are slowly destroying our waters. Ocean acidification is changing pH levels, and it is estimated that the ocean will be 150% more acidic by the end of the century. These changes have devastating effects on marine life and our ecosystem.

Everyone needs to do their part to protect this natural resource!

- Use energy efficient appliances and renewable energy sources
- Reduce your carbon footprint by taking public transportation or carpooling
- Participate in beach clean ups and support ocean conservation organizations
- Advocate for local policies addressing climate change
- Spread awareness and educate your family, friends and community

The smallest of changes can have a big impact. A ripple can become a wave.

Visuals:

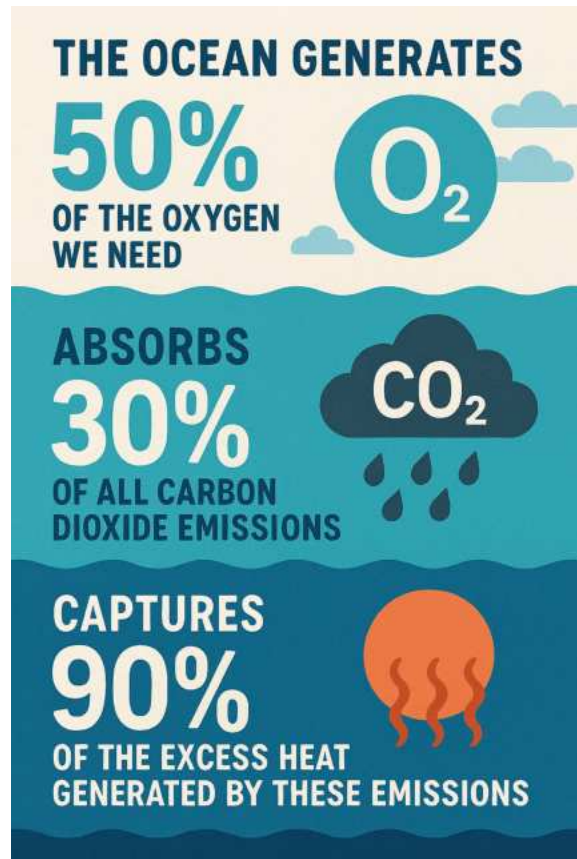


 Fisheries and Oceans Canada Pêches et Océans Canada



Canada









Instagram Post:

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An Opinion Piece by What We Grew

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OCEAN ACIDIFICATION
The Ocean's pH is Changing

HEALTHY **DAMAGED**

THE OCEAN GENERATES 50% OF THE OXYGEN WE NEED O_2

ABSORBS 30% OF ALL TROPIC GREENHOUSE EMISSIONS CO_2

CAPTURES 90% OF THE EXCESS HEAT GENERATED BY THESE EMISSIONS

Ocean Acidification
Effects on shellfish, coral and other calcifiers.

Graphic: NOAA

Caption: For Day 8, we wrote an opinion piece highlighting the devastating impact of human activity on our oceans. It is essential that we act now and implement the tips we outlined in our essay into our daily lives. Ocean acidification is silently weakening coral reefs, harming marine life, and threatening the balance we all depend on. Let's save our shores and give the ocean a chance to breathe again. @turninggreenorg @5gyres @onlyone #pgc2025

11:45



Posts

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Hollow Coves · Coastline



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[View insights](#)

Bonus Opportunity:

We emailed the head advisor of our school's newspaper and asked her about posting our essay.

Hi Mrs.V!

I was wondering if I could possibly publish a small article that me and my team for project green challenge wrote in the jerecho? Here is the link to the article:

<https://docs.google.com/document/d/1cL1cVmHnWtaoPCEeLJh2WGHRIXEdafHPhzr4y3Lq4Us/edit?usp=drivesdk>

Thank you!

Sources:

<https://www.un.org/en/climatechange/science/climate-issues/ocean>

<https://www.dfo-mpo.gc.ca/about-notre-sujet/publications/infographics-infographies/ocean-acidification-des-oceans-eng.html>