

# Need for Environmental Education for Better FUTURE



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# Plastics in the Ocean Affecting Human Health!

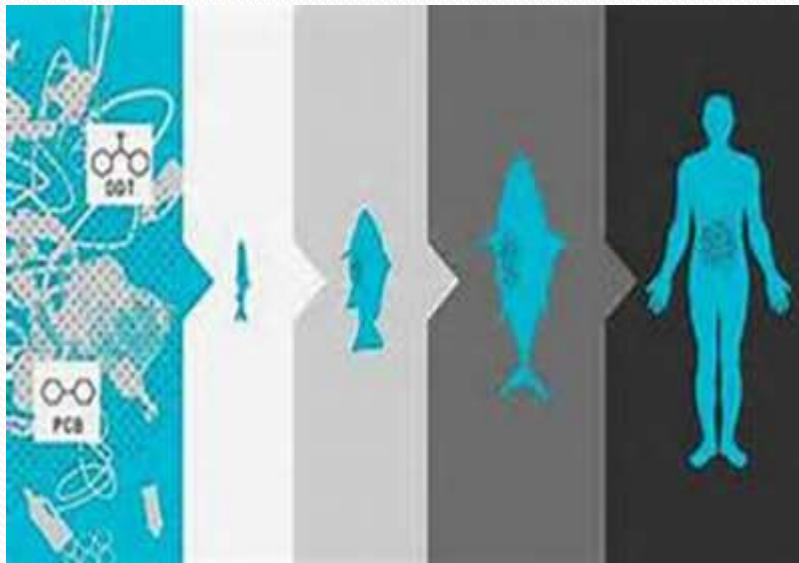
- Over a few decades, humans have managed to dump tons upon tons of garbage into the ocean. Of the most devastating elements of this pollution is that plastics takes thousands of years to decay.
- As a result, fish and wildlife are becoming intoxicated. Consequently the toxins from the plastics have entered the food chain, threatening human health. In the most polluted places in the ocean, the mass of plastic exceeds the amount of plankton six times over. This is a large piece of evidence that leaves the problem of polluted oceans undeniable. It is upsetting that more of clean up effort is not taking place.

# Plastic into our Food

- Once in the ocean, plastic litter affects the safety of sea transport, fisheries, tourism and recreation. When broken up into tiny pieces, plastic attracts toxic chemicals released over decades from industry and agriculture, the concentration of which increases as they move up the food chain.
- About half of that litter is plastic bottles. Most of the rest is packaging.



- Exposures to these chemicals have been suggested to contribute to some cancers, and infertility, as well as immune, metabolic, cognitive and behavioral disorders. The entry of plastic pieces into our food chain is of concern to human health.





# Thanks To Humans: More & more Pieces Of Plastic Can Now Be Found In The World's Oceans!

- The trash we throw away and think we'll never see again, in fact, makes its way to sea and into the bodies of its animals; this includes many different creatures such as turtles, fish, whales and many others. The high level of plastic and other rubbish isn't only worrisome for the sake of our eco-system; it's worrisome for the sake of public health.

# How does trash travel?



# What we can Do?

- Look for alternative materials or avoid excessive packaging when deciding on purchases. Use paper bags.
- Recycle.
- Educate others about the problem of marine debris, enhancing.
- Get involved for cleanup & do it.



# We are the waste producer!

- Our tendency as humans to be irresponsible about cleaning up after ourselves is about to get us in trouble. We risk losing many species in the ocean as well as negatively affecting ourselves. The average person produces half a pound of plastic waste every day. No wonder the oceans are filling up with waste!
- **What ends up in the ocean is nearly impossible to clean up.**





# We must change

- I think part of the problem is that we don't recognize how this issue starts with the individual. There are obviously life style changes we can make to solve this problem. We just have to be willing to accept this issue and look past our denial. The government also needs to make regulations on plastics if anything is going to change.
- We should really all be involved though, it is everyone's responsibility. Lets make these changes before it is too late and we kill the all oceanic life, or even our own life!



# Video plastic planet!



# Plastics, Oceans, and Earth: Influencing Education

- collects samples from a local beach and surface waters of Commencement Bay to evaluate the presence of plastics in the ocean. A survey is given to each student at the beginning and end of the course to assess their growth in learning the process of scientific applications and discovery: example already applied University of Washington

# What Can You Do?

- Reduce
- Reuse
- Recycle





We cannot always build a future for  
our youth, but we can always build  
our youth for the future.

— Franklin D. Roosevelt —

AZ QUOTES

**“AND THAT’S HOW WE BUILD THE ECONOMY OF  
THE FUTURE. AN ECONOMY WITH MORE JOBS  
AND LESS DEBT, WE ROOT IT IN FAIRNESS. WE  
GROW IT WITH OPPORTUNITY. AND WE BUILD IT  
TOGETHER.”**

**ELIZABETH WARREN**

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**“I’ve learned that mistakes can  
often be as good a teacher as  
success.” – Jack Welch**





Re-think about it!



REDUCE



REUSE



RECYCLE



**RETHINK!**

Thanks for your attention



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**GO FOR IT !**



**GOOD LUCK !**