

# Plastic & Ocean



# What is plastic and what its made of?

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A plastic is a material that can change it's shape. Many things are made of plastic because making them in the right shape is easy.

Plastics are made from natural and organic materials such as cellulose , coal , natural gas, salt

Plastic is made from fossil fuels.



# How do we create plastic ?

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These natural materials go through a series of man made processes to create plastic.

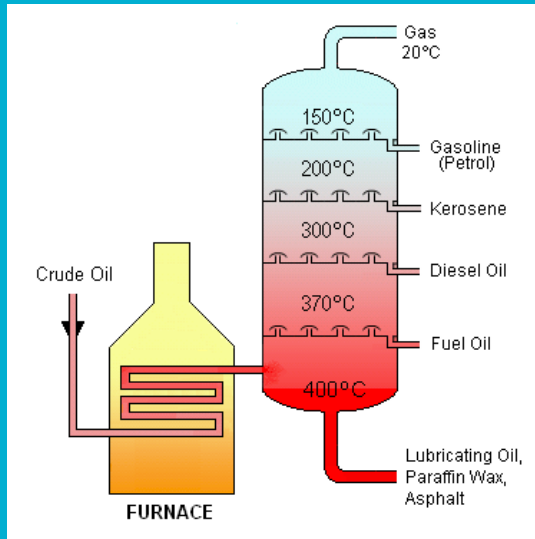
Extraction of raw materials (crude oil). Extraction of oil. This can be from under the ocean floor, frozen land or desert. The average Texan oil well is 900 feet deeper than the Grand Canyon. The average depth of the ocean is 12,430 feet and oil is extracted from beneath the ocean floor. The world's deepest oil well - Sakhalin-I in Russia - reaches an incredible 40,604 feet. That's 7.7 miles or 15 times the height of the world's tallest building the Burj Khalifa in Dubai.



# How do we create plastic?

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2. Refinement: Crude oil is refined into more useful products such as asphalt, petroleum and gasoline.



# How do we create plastic?

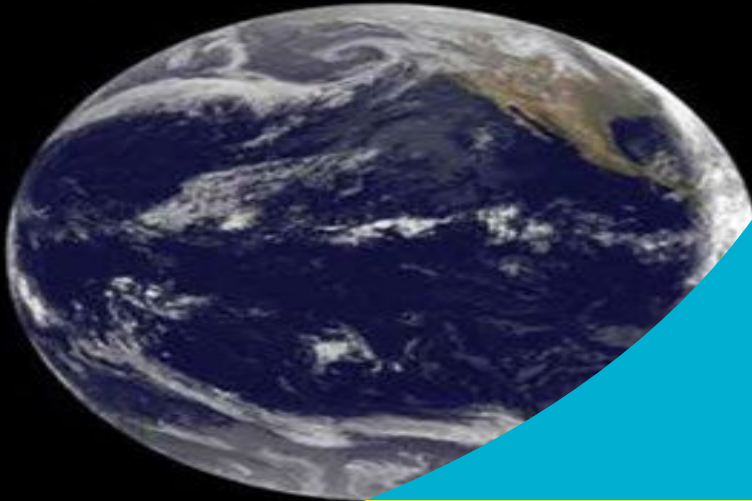


# Ocean Literacy is an

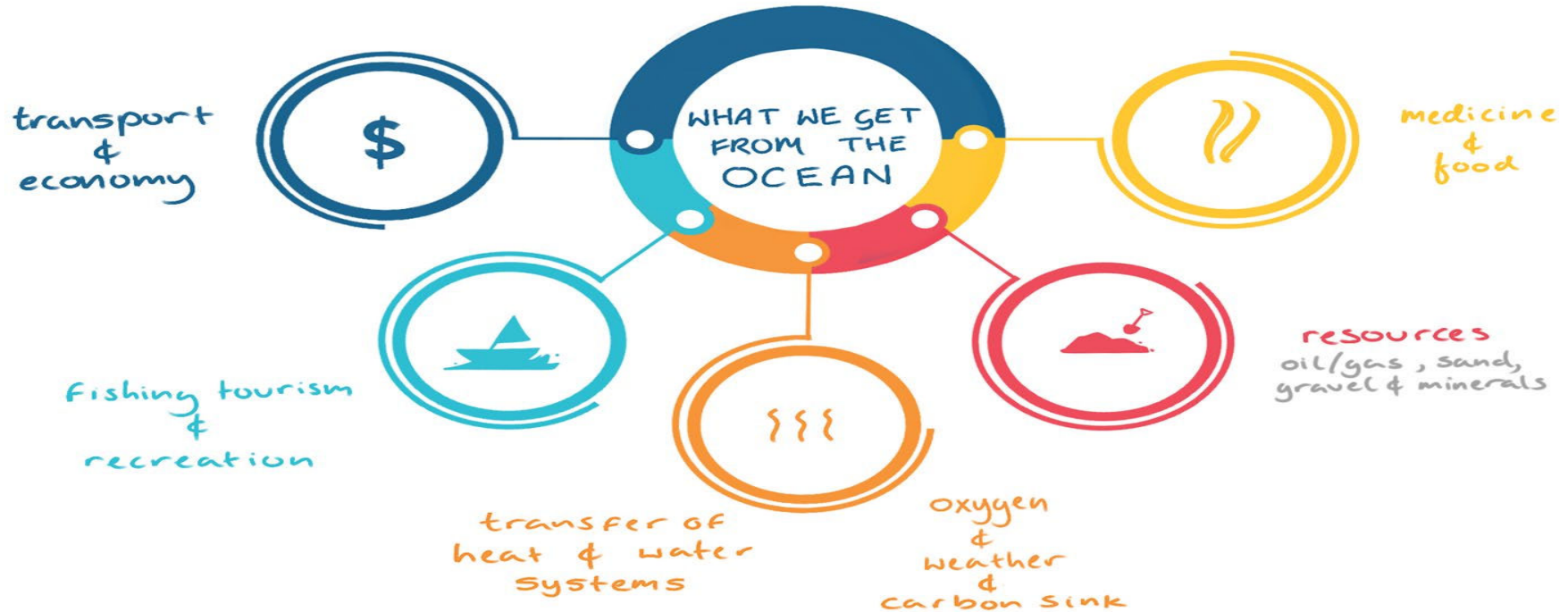
understanding of the ocean's influence on YOU and your influence on the ocean

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The Earth has **one big ocean** with many features.



# THE OCEAN IS EARTH'S LIFE SUPPORT



- Understanding the ocean is essential to comprehending and protecting this planet on which we live.
- The Ocean is the defining feature on our blue planet. Five great, interconnected ocean basins, the Atlantic, Pacific, Indian, Arctic and Southern, make up the only ocean in our solar system, and contain 97 percent of Earth's water. The vapor released into the atmosphere returns as rain, sleet and snow, ever replenishing the planet with freshwater. All life, including our own, exists because of the ocean. Our lives depend, now and forever, on the health of the ocean. Understanding the ocean is essential to comprehending and protecting this planet on which we live.



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Humans and  
the ocean are  
intrinsically  
connected



# Ocean

# BEFORE



# Ocean

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# AFTER





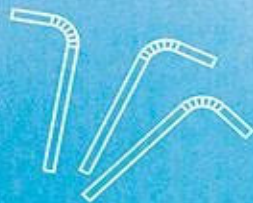
# The Lifecycle of Plastics



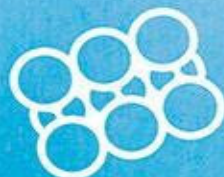
Plastic bag  
**20 years**



Coffee cup  
**30 years**



Plastic straw  
**200 years**



6-pack plastic rings  
**400 years**



Plastic water bottle  
**450 years**



Coffee pod  
**500 years**



Plastic cup  
**450 years**



Disposable diaper  
**500 years**



Plastic toothbrush  
**500 years**

# What plastic can be recycled?

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Currently, only nine per cent of the world's plastic is recycled a problem because most plastics are not biodegradable and typically take more than 400 years to degrade.

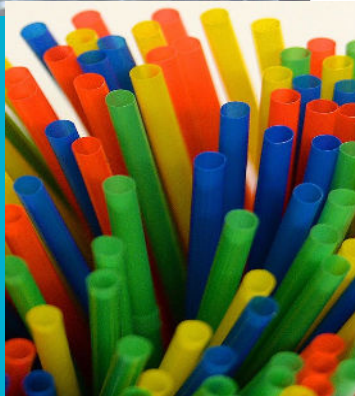
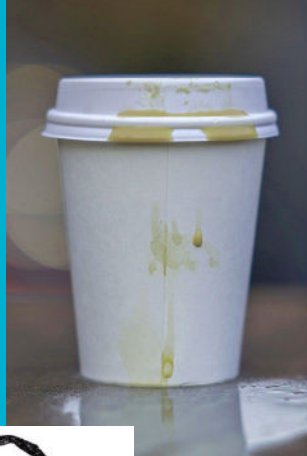
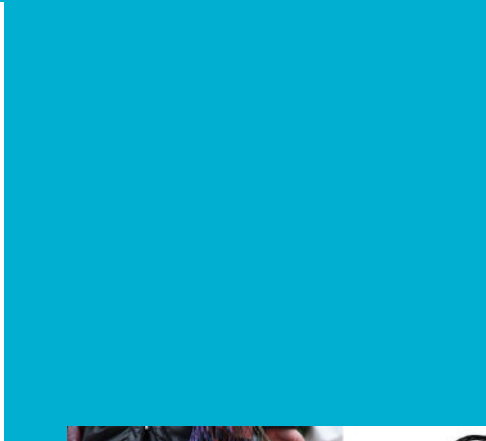
And it never fully degrades, rather it breaks down into smaller and smaller pieces that are eventually ingested by marine life.

Single-use plastics are the worst offenders and include plastic bags, food packaging, and straws.

# Plastic waste across the world. {3rd world}



# How can we fix this?



**Think.... Respond.... & Act NOW**

**SAVE EARTH**



**THANK YOU**  
THANK YOU