

Project Green Diving

Ocean Literacy

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INDEX OF THE COURSE

- Green Skills
- Ocean Literacy
- Human Impact
- Ocean Benefits/ Importance
- Geology
- Deep sea





Learning Objectives

- Understading the dynamics of the ocean and their importance to the biosphere
- Increase environmental awareness of ocean health
- Understand ocean cycles and its changes due to human activity





7 Ocean Literary Principles



1. Earth has one big ocean with many features





1. Principle



• **Responsible for the production of:**

50% - 80%





Phytoplancton

Responsable to make the ocean critical to the development of life on land

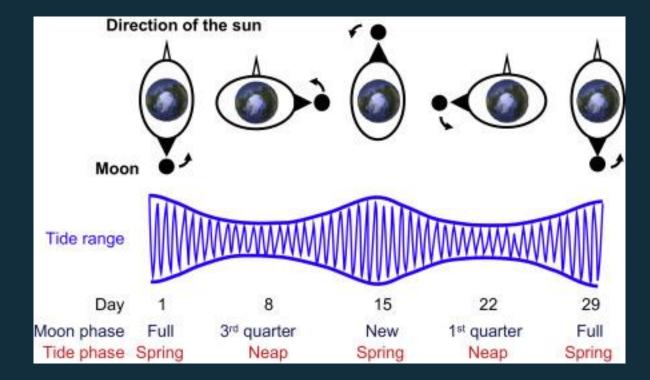
Ocean Importance



GREENDIVING

Tide variation influences habitats dynamics

1.







97% of the entire planet's water is found in the ocean





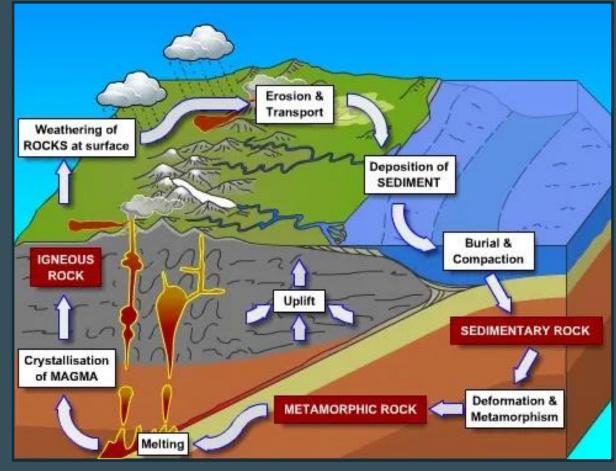
2. The Ocean and life in the Ocean shape the features of the Earth



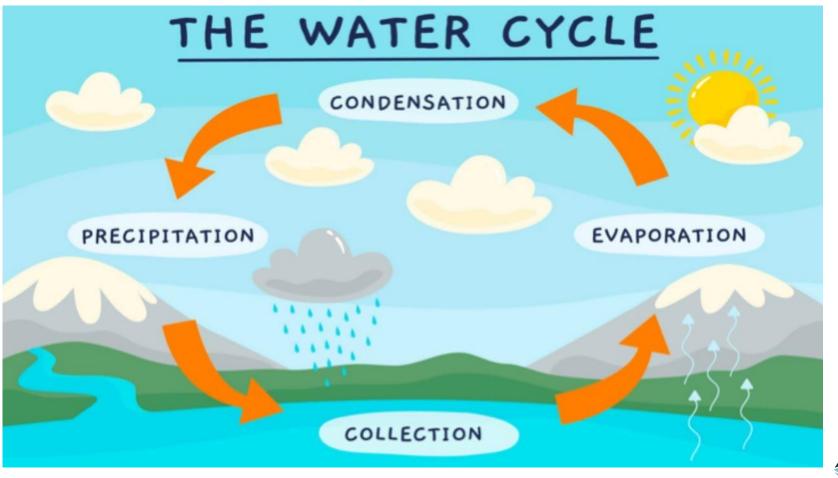


2 Principle

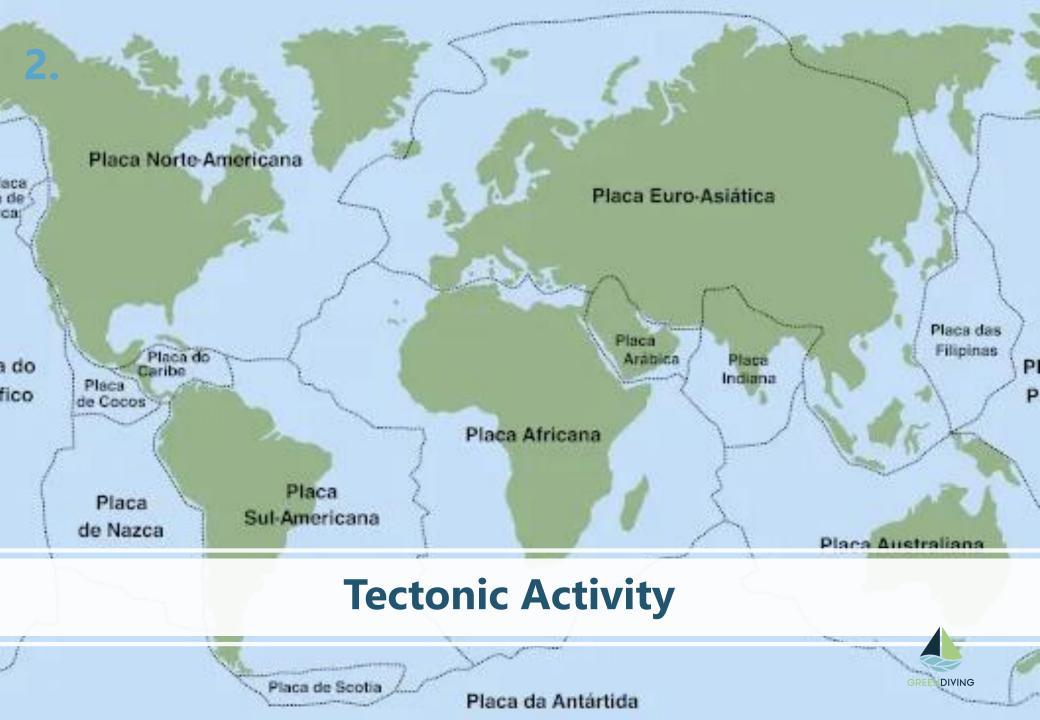
Many Earth materials are originated in the ocean such as sedimentar rocks found on land today



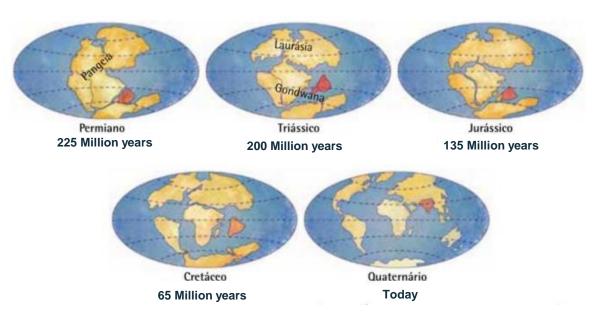








Tectonic evolution of the Planet



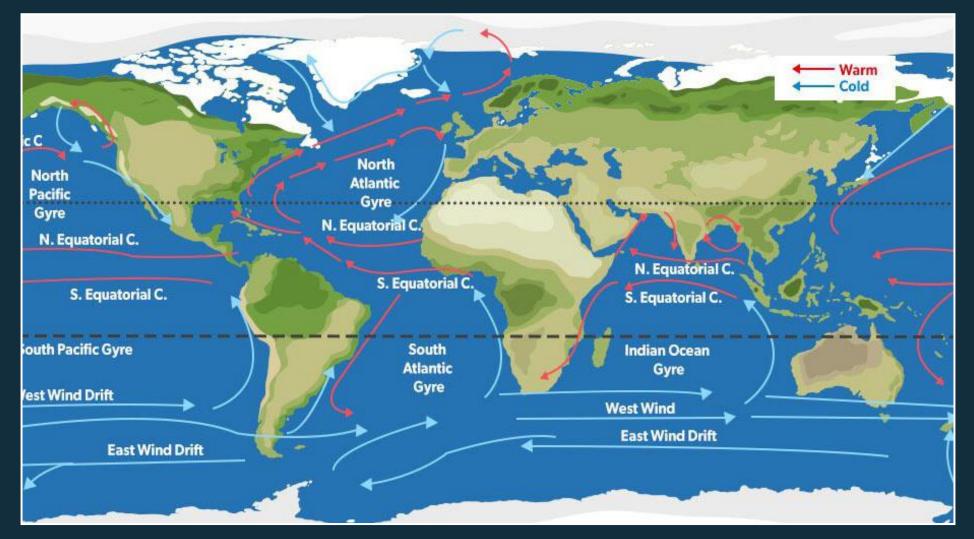






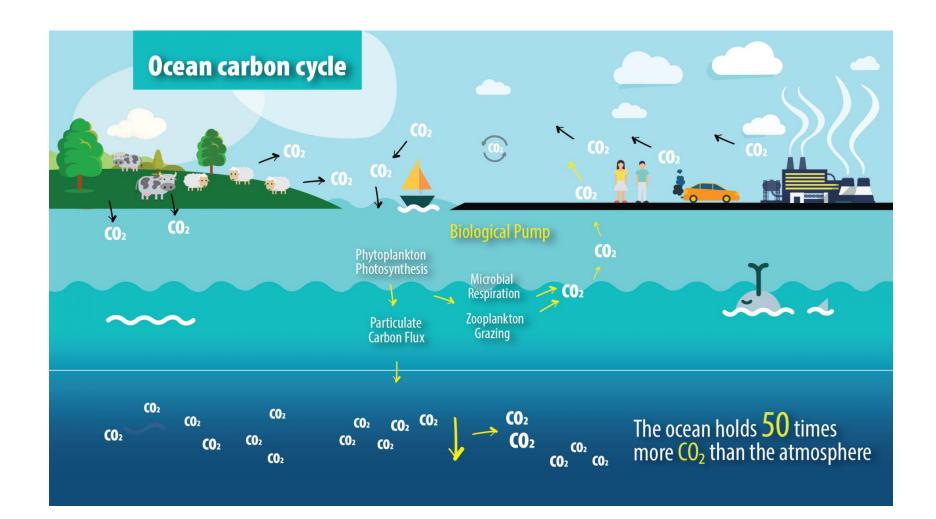
To protect the Ocean we first need to understand it.

3. Principle

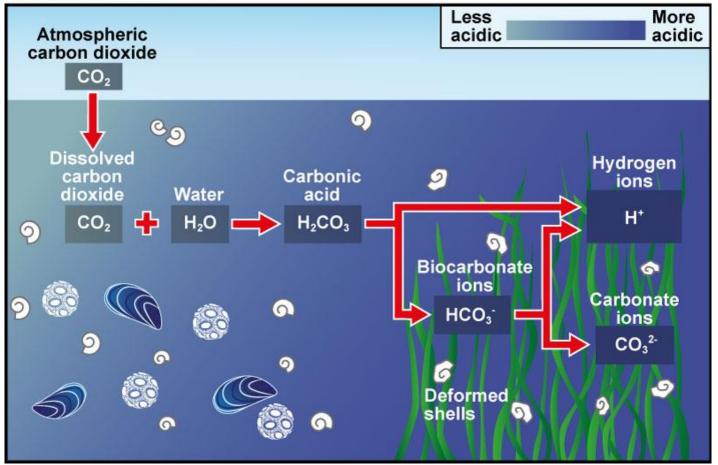


Responsible for climate regulation



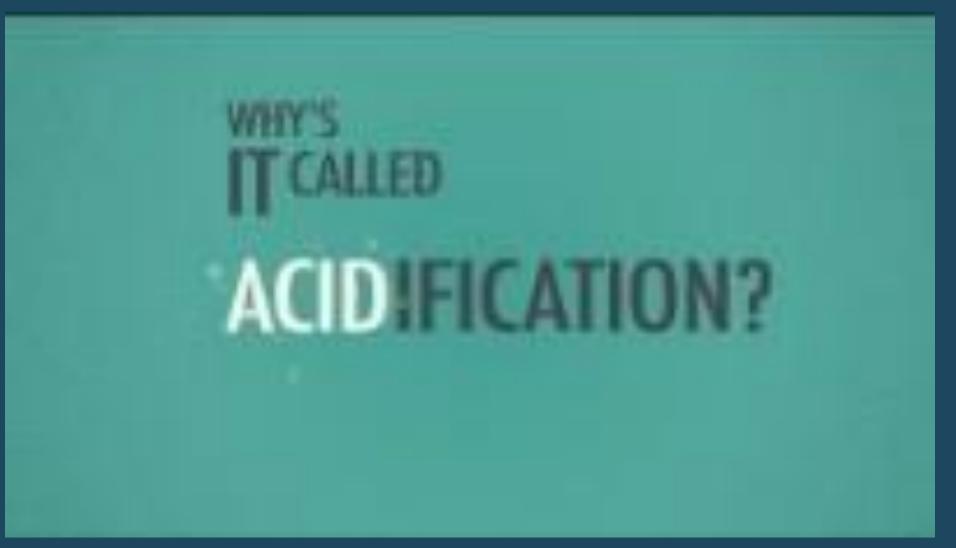






Increased carbon dioxide in the atmosphere increases carbon dioxide retention in the ocean, causing ocean acidification

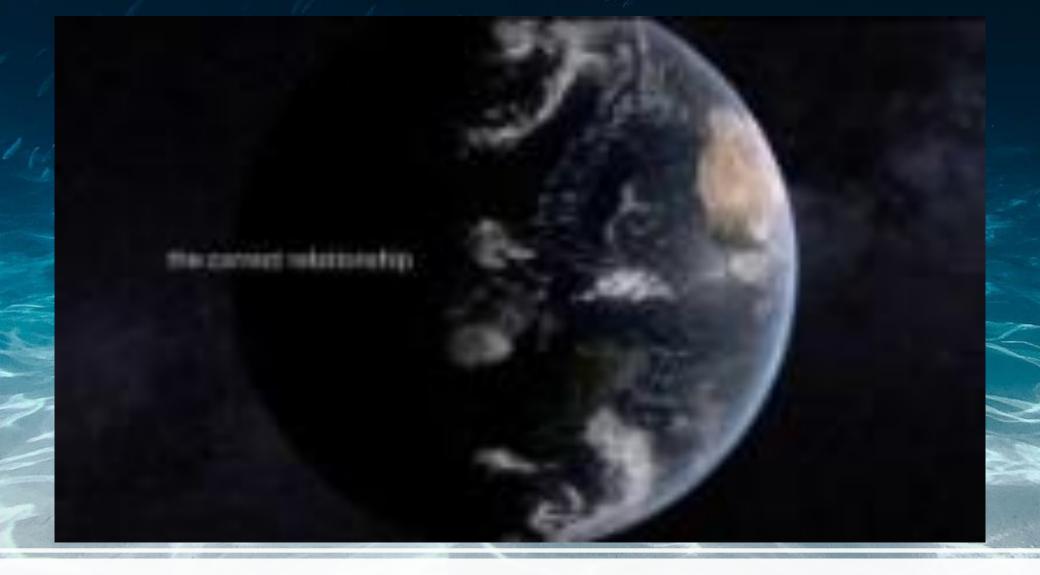




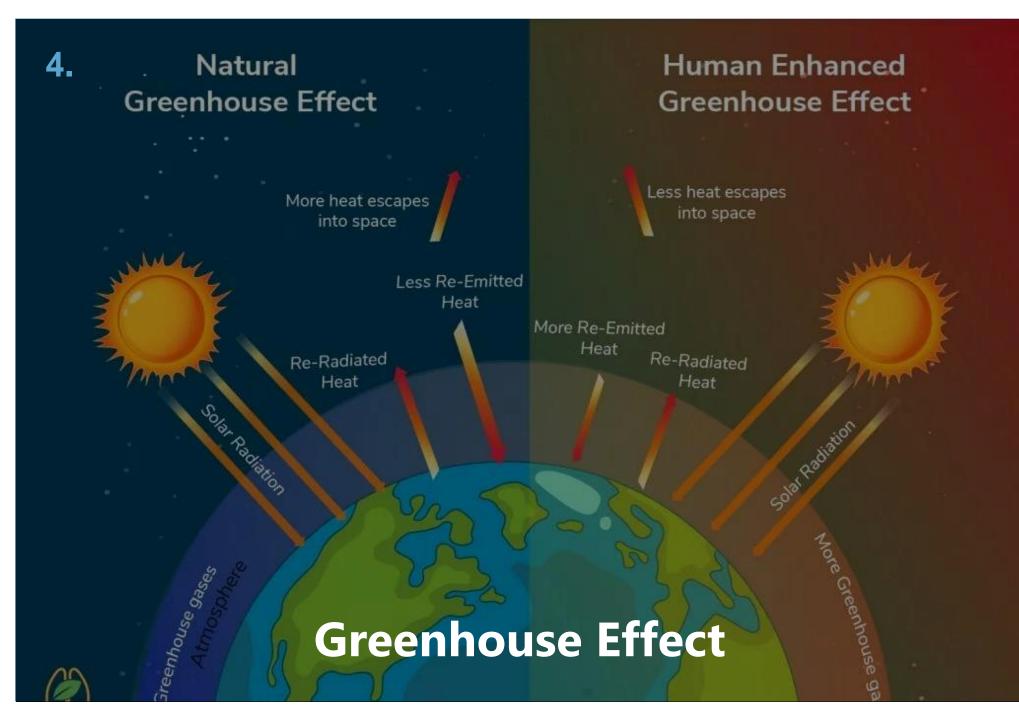


4. The Ocean makes Earth habitable





4. Principle



5. The Ocean supports a great diversity of life and ecosystems





5. Principle

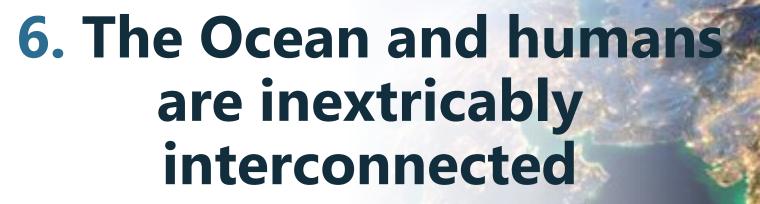
Sea turtles travel thousands of kilometers across the oceans and with them....

They carry around 150,000 tiny animals in their carapaces.

> (larvae, crustaceans, shrimp, nematodes)









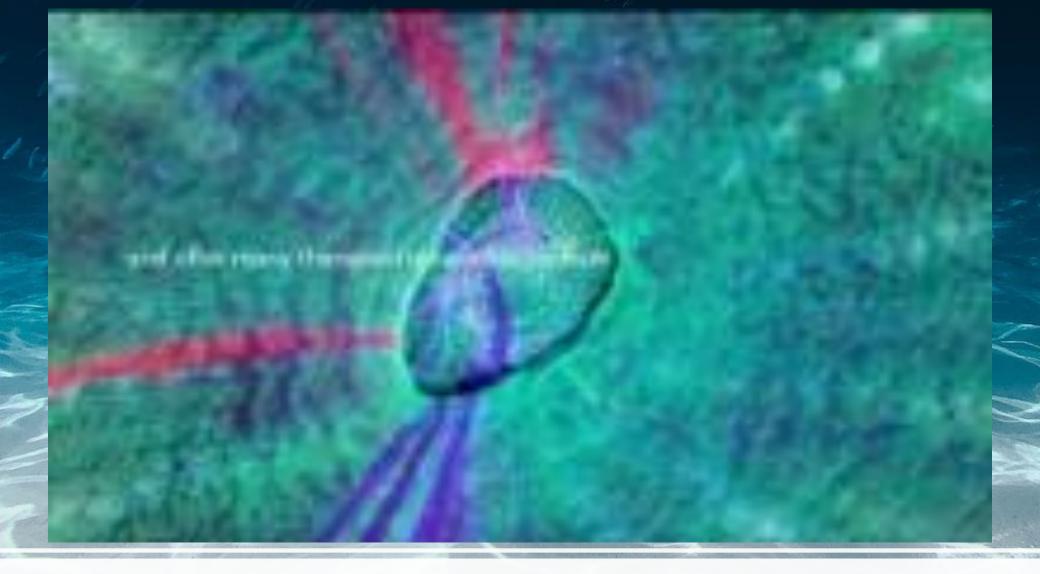
6. Principle

Ocean is a main source of supply for Humans and life as we know

6.

7. The Ocean is largely unexplored





7. Principle

Mariana Trench

10,994 m Depth



Mariana Trench

Commercial air

cruising altitude)

(Common

10,668m

Mount Everest

highest peak)

(World's

8,848m

10.994m



Deep Sea Animals



Group Activity



REFERENCES

• <u>UNESCO</u>

https://www.youtube.com/@UNESCO/

UNESCO

<u>https://oceanliteracy.unesco.org/principle</u>
<u>s/</u>



CONSORTIUM







ESCOLA DO MAR . ACORES

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Thank you!

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