

Ocean Acidification and its Impacts on Indigenous Communities

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Introduction



https://www.fs.fed.us/wildflowers/regions/Pacific_Northwest/index.php

Ocean acidification (OA) impacts many communities that depend on the marine environment and its organisms, one being **indigenous peoples on the Pacific Coast of the US.**

Methods

Combining knowledge of the role that the ocean plays in indigenous communities' lives allowed me to hypothesize the impacts OA will have on them.

Research articles about the impacts of OA on indigenous communities are **limited.**

Discussion

After establishing the different ways indigenous communities may be impacted, we can look into ways of addressing the issue and look into the challenges and consequences of addressing the increase of pH in ocean waters.

Ex. Informing environmental conscious people and advocates.

Possible Problems:
Generalization of this project & the global issue of OA.

Coral Reefs

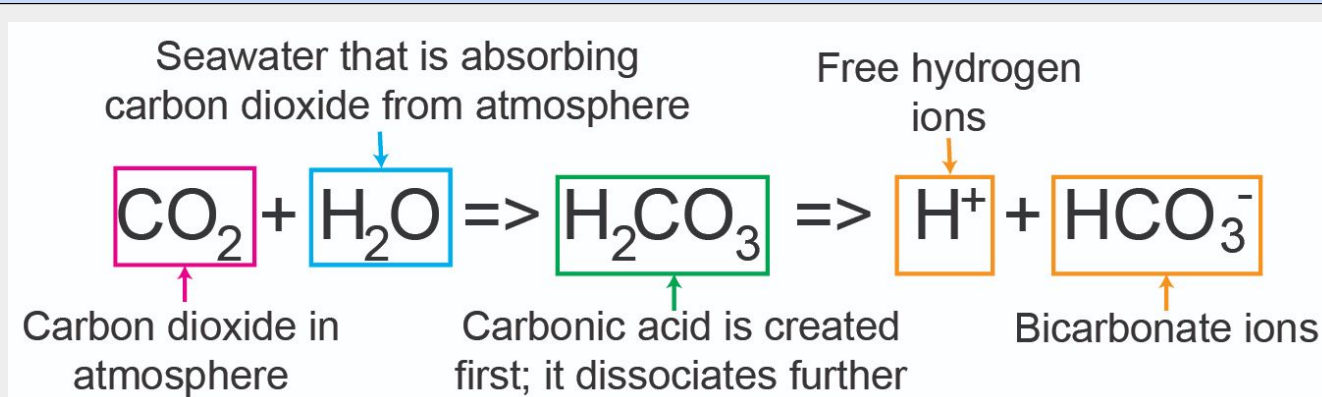


Image: <https://timescavengers.blog/climate-change/ocean-chemistry-ocean-acidification/>

Coastal Protection: With coral reefs impacted, it affects their ability to make skeletons leading to a decrease in protection for coastal regions.



Pacific Coral Reefs

Image: <https://www.usgs.gov/programs/coastal-and-marine-hazards-and-resources-program/science/pacific-coral-reefs>

Razor Clams



Photo: David J. Ruck/NOAA: <https://sanctuaries.noaa.gov/magazine/2/quinalt-razor-clam-dig/www.usgs.gov/programs/coastal-an>

Livelihoods: The Quinalt Indian Nation is an example of how indigenous people are being affected economically & culturally.

Pacific Lamprey

Culture: Endangered marine life threatens the ability for future generations to participate in their traditions.



Pacific lamprey

Image: <https://www.kswild.org/imperiled-species-profiles/2017/6/12/pacific-lamprey/>

Other Organisms

Loss of economic and culturally important food



Sockeye Salmon

Image: <https://wildsalmoncenter.org/salmon-species/sockeye/>



Pteropod Snail

Image: <https://en.wikipedia.org/wiki/Pteropoda>

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