

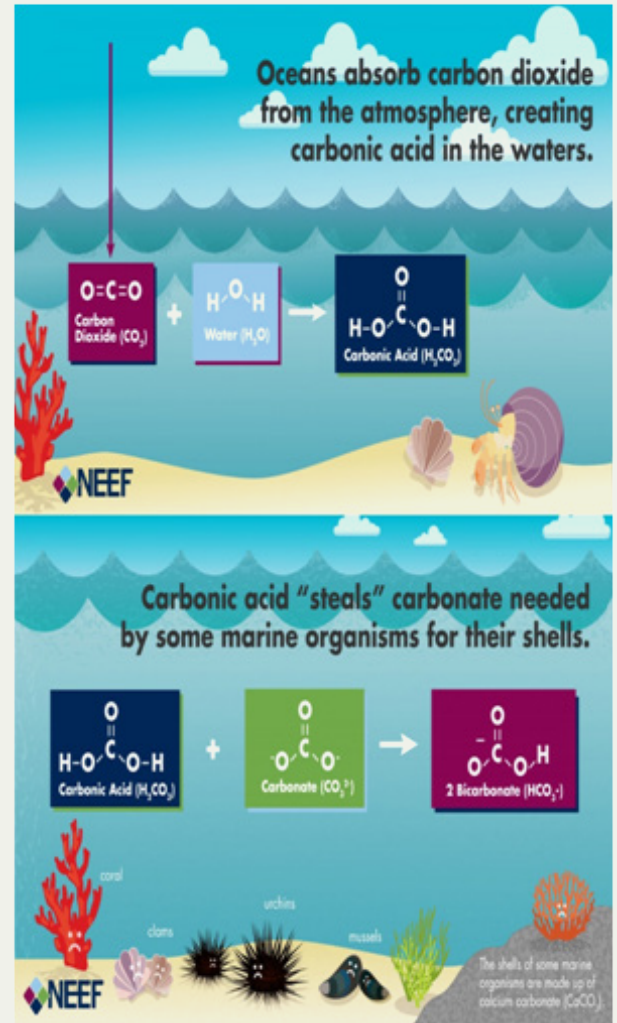


○ **Ocean Acidification:** Anthropogenically emitted CO₂ gets dissolved in the sea water. It forms Carbonic Acid in the process, reducing the pH of water.



Impacts of Ocean Acidification

IMPACT ON OCEAN ECOSYSTEM	IMPACTS ON SHELL BUILDER SPECIES	IMPACTS ON FISH & SEAWEEDS
<ul style="list-style-type: none"> ◇ Ecosystem services such as Coastal protection, food production and income 	<ul style="list-style-type: none"> ◇ Ex- Corals, Oysters, Mussels ◇ Fewer carbonate ions available to build and maintain their shells, 	<ul style="list-style-type: none"> ◇ Changes in species growth & reproduction ◇ Geographical distribution of species affected



○ **Ocean Deoxygenation:** Volumes of areas depleted of oxygen, known as "anoxic waters. Major causes include - degassing due to warming of sea water and less intermixing due to stable stratification of layers e.g. Baltic Sea and Black Sea.

