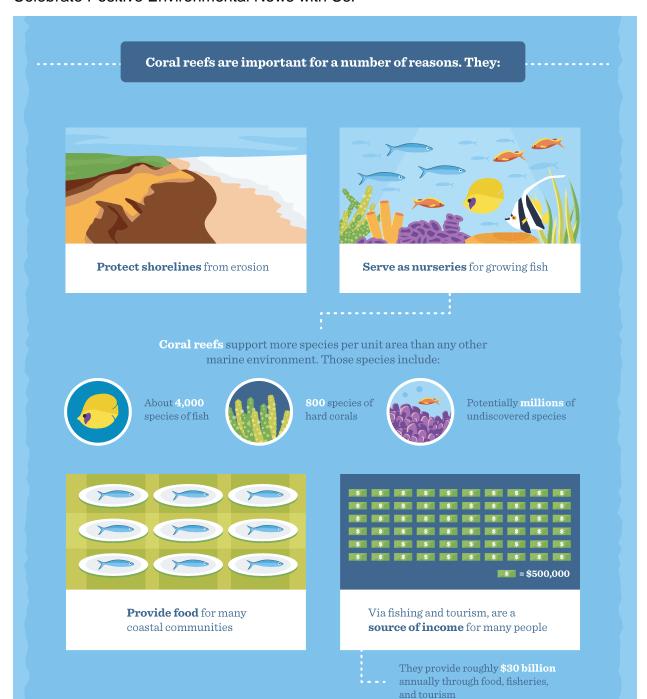
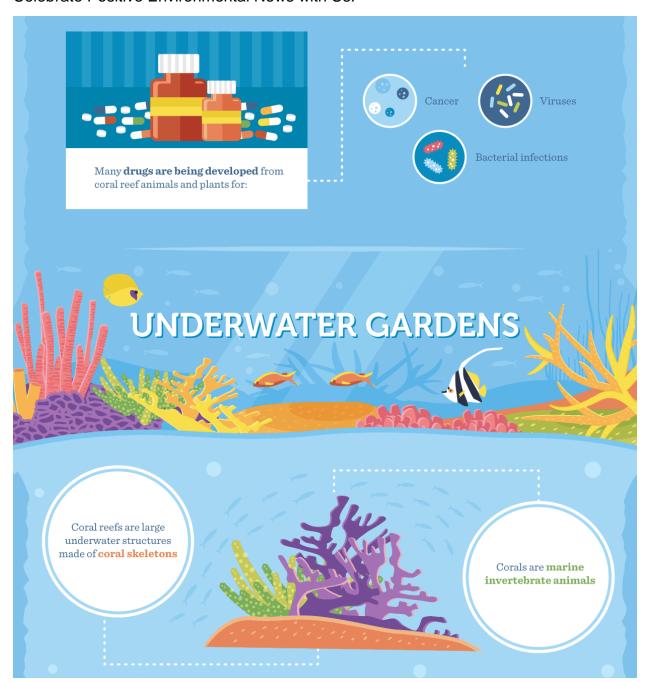
## Receding Reefs: Understanding and Protecting our Coral Ecosystems

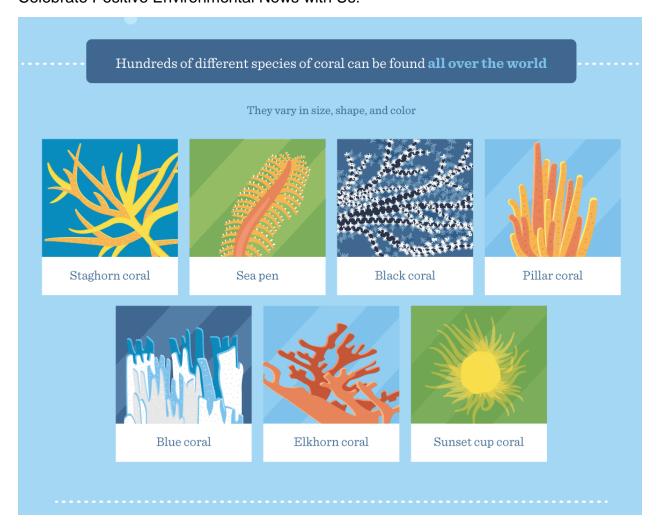
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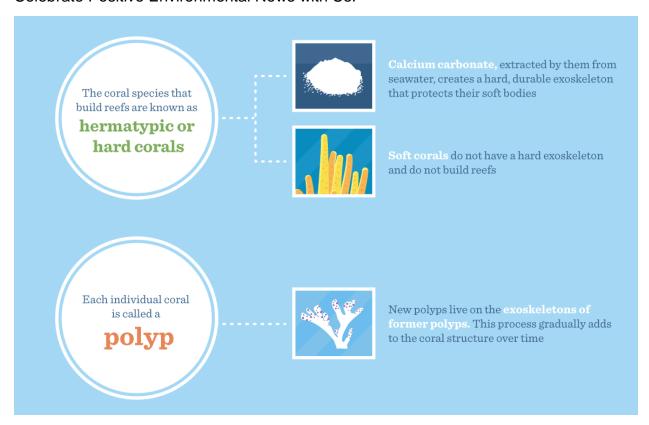
Published: May 10, 2016



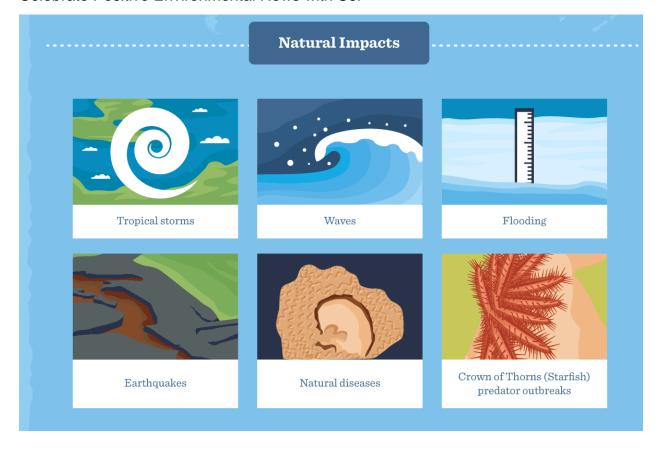




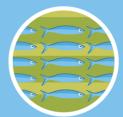








## Manmade Impacts



Overfishing



Destructive fishing methods

Such as dynamite blasting and poisons



Increased sedimentation

As a result of deforestation



Coral and coral sand mining



Mangrove harvesting



Carbon Dioxide

CO2 absorbed into the ocean alters the pH in the water

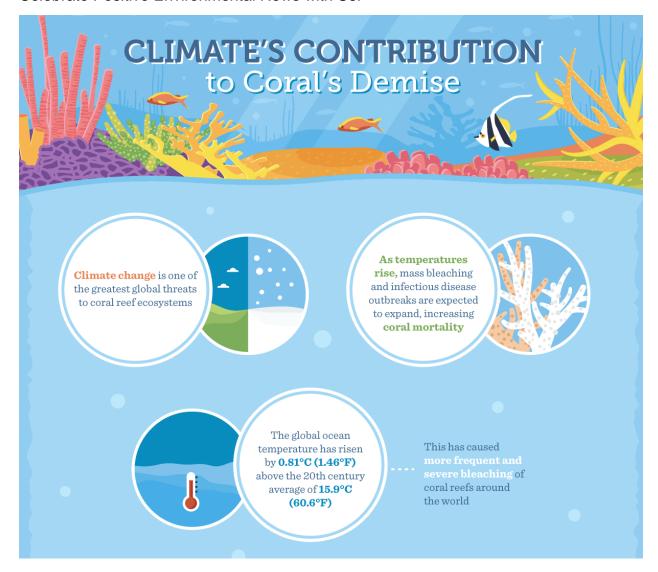


Construction

and increased siltation



**Tourism** 



## **Coral Bleaching**

When corals are stressed by changes in conditions such as temperature, light, or nutrients, they expel the symbiotic algae that lives in their tissues



This causes them to turn completely white

Precipitation from storms also causes bleaching by diluting ocean water



Runoff can carry pollutants which can bleach corals close to the shore



Overexposure to sunlight contributes to bleaching in shallow-water corals



In 2005, the U.S. lost half of its coral reefs in the Caribbean in one year due to a massive bleaching event



The damage was greater than the previous 20 years combined

