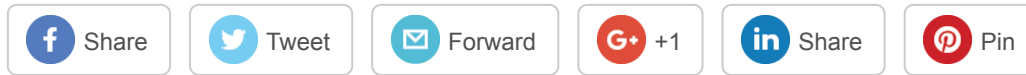
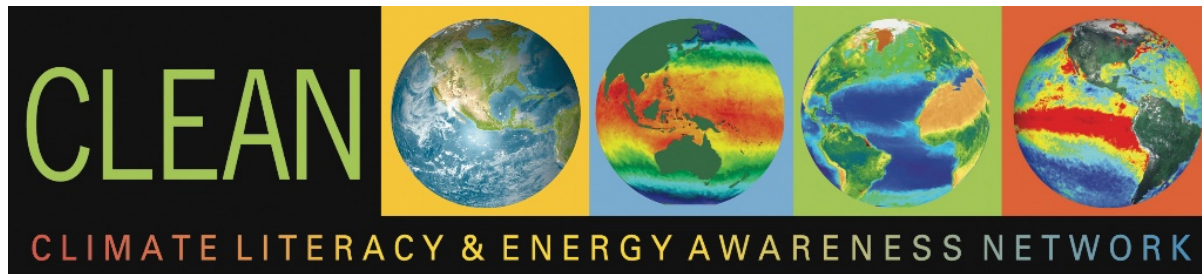


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## ***CLEAN STEM Flash***

A timely climate and energy education series to use and share

### **Topic: Coral Bleaching**

Coral reefs are in danger. Learn how climate change contributes to ocean acidification and coral bleaching.

[Corals & Climate Animation](#) | [Ocean Acidification Video](#) | [Corals in the News](#)

#### **CLEAN Resource Feature**

##### **Animation: [The Once and Future Corals](#)**

This narrated slideshow gives an overview of how human activity is affecting coral reefs and what coral reef conditions looked like in the past.

*Length: 6:08 min.*

Find more resources about [coral reefs](#) at CLEAN.

How do pollution, ocean temperature change, ocean acidification, and climate change affect coral reefs? This slideshow, narrated by expert geochemist Konrad Huguen, discusses coral biology, coral bleaching,



ocean temperatures.

### CLEAN Resource Feature

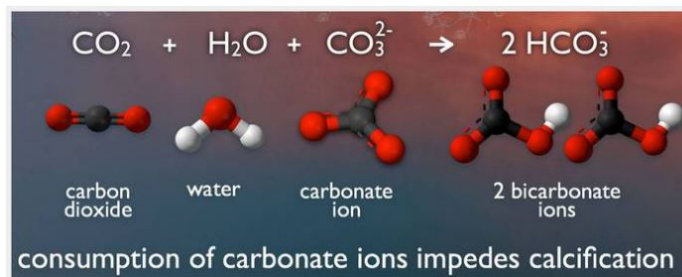
#### Article: [What is Ocean Acidification?](#)

This article from NOAA describes the chemistry and biological impacts of ocean acidification, including how this process hinders coral skeleton production.

*Audience: High school students*

Look for class activities to teach about [ocean acidification](#) here!

This overview of the effects pH levels have on ocean biology serves as a great introduction for students learning about climate change and ocean acidification. It comes from NOAA's Pacific Marine Environmental Laboratory Carbon Program.



### Climate & Energy in the News

Acidification isn't the only cause of coral bleaching. Other stressors, like rising ocean temperatures, can make the symbiotic algae in corals toxic.

Check out the [What is coral bleaching?](#) infographic from the NOAA National Ocean Service.

Read [Science News's](#) article on the increase of coral reef bleaching events across the tropics in response to warming ocean temperatures.



Explore the CLEAN collection of climate & energy learning resources

CLEAN supports teaching and learning about climate and energy with over 700 free peer-reviewed, scientifically accurate, and classroom-ready resources.

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