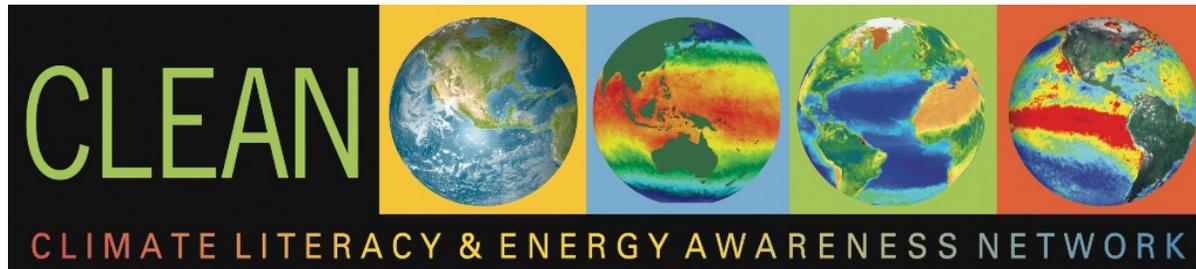
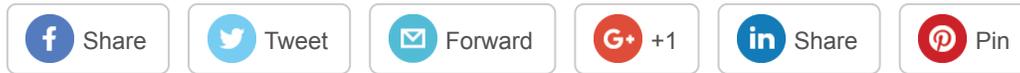


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A Timely Climate and Energy E-Learning Series to Use and Share

Topic: Ocean Health

The health of our oceans is crucial to the health of our overall environment. The ocean plays a huge role in climate regulation and the carbon cycle; It also produces over half of the world's oxygen. Learning about the ocean's health, its ecosystems, and the tipping point is necessary to ensure a healthy and viable ocean system for years to come.

CLEAN Resource Feature

Video: [Ocean Tipping Point?](#)

This video discusses how ocean health impacts current climate change trends and the world around us. Currently, the ocean is absorbing the vast majority of human-emitted CO2. However, the more the ocean absorbs, the closer it comes to reaching a tipping point.

Video length: 13:40 minutes

Audience: Middle School, High School

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oceans. These effects greatly impact ocean biodiversity, ocean acidification, sea level rise, etc., and could potentially have catastrophic results on the way we live.

CLEAN Resource Feature

Activity: [Climate Change and the Oceans](#)

This nine-lesson module identifies the role climate change plays in ocean health and thermohaline circulation on a worldwide scale. Students learn how the dynamic equilibrium between the atmosphere and the ocean impacts biodiversity and other ocean factors.

Audience: High School, College

Take a look at some more CLEEN activities focused on [oceans](#).

Thermohaline circulation is a major player in the oceans ability to regulate climate. As the ocean warms, there are higher outputs of energy into the atmosphere and vice-versa. This activity explores how climate change impacts overall ocean health (acidity and biodiversity) and how it impacts the weather and climate of the entire global system.



In the News: [Networks of sponges could capture DNA to track ocean health](#)

As we observe a decrease in overall ocean health and the resulting impacts, it's important we use available resources to track the history and current trends of our

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