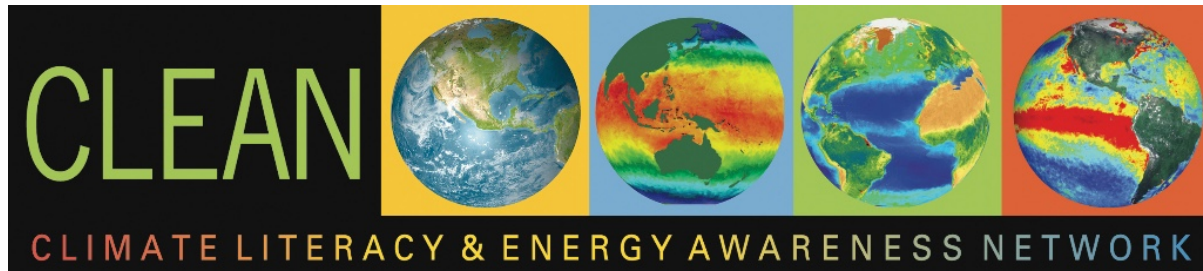
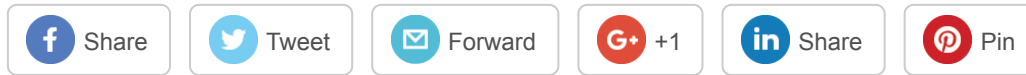


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A Timely Climate and Energy E-Learning Series to Use and Share

Topic: Wind Circulations

Wind patterns on Earth can lead to [disastrous weather events](#), like tornadoes. What can the [Juno mission](#) tell us about how those patterns are different on much larger planets?

CLEAN Resource Feature

Interactive: [Giving Rise to the Jet Stream](#)

This interactive is your guide to understanding a driving force in atmospheric weather systems.

Audience: Middle School, High School.

Find more [visualizations](#) you can use to teach Climate Literacy Principle 2 here!

This interactive from NOVA Online describes some of the factors contributing to the formation of the high-



troposphere. These jet streams play a major role in guiding weather systems.

CLEAN Resource Feature

Video: [The Role of Ocean Currents in Climate](#)

This video from PBS explains how ocean currents are responsible for regional climate patterns.

Length: 3:48.

Look for more [circulation visualizations](#) here!

Ocean currents, much like wind currents, are responsible for distributing heat energy around the world. Thanks to global wind and ocean currents, our planet is able to remain inhabitable. Use this video to show your students how this principle works through easy-to-understand graphics and narration.



CLEAN Resource Feature

Interactive: [Earth: An animated map of global wind and weather](#)

This animated map shows Earth's wind circulations in real time.

Find more activities for teaching about [wind currents](#) here!

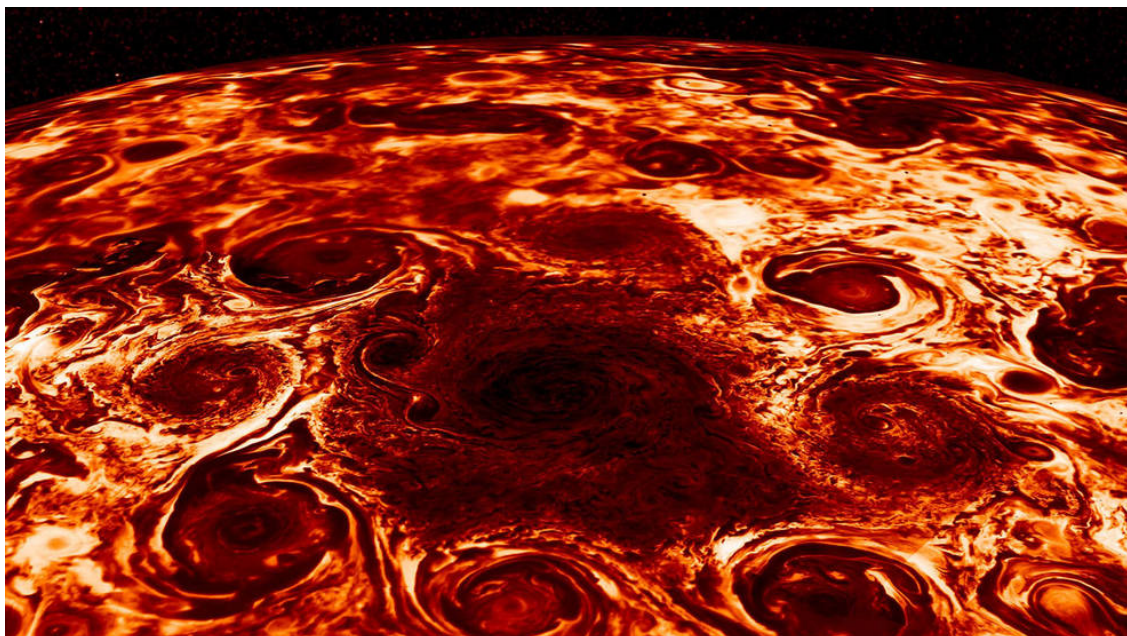


How do wind circulations affect global weather patterns? Ask your students about what overall wind patterns they see on this map. How many circular systems can you find?

Climate & Energy in the News

New [findings](#) from the Juno spacecraft from NASA reveal fascinating insights to the inner portions of Jupiter's atmosphere.

What could observations of Jupiter's massive atmosphere tell us about grand scale wind circulations that we cannot observe here on Earth? What similarities can we see between Jupiter's wind circulations and our own?



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