
My NASA Data - Mini Lesson/Activity

Stability and Change: Observing and Measuring Plants



Student Directions

Review the video, [Far Out Flora \(2013\)](#), and answer the following questions.

[Video: Far Out Flora \(2013\)](#)

Video

Far Out Flora (2013) | <https://www.youtube.com/watch?v=MzpomWXuhaY> | Source: NASA Scientific Visualization Studio

Steps:

1. Check with your instructor on how to submit your answers.
2. What do the terms "stability" and "change" mean as they relate to the Biosphere? Provide examples of times when the Biosphere is stable and when it changes.
3. Watch the visualization to see how Earth's plant life changes over the course of a year.
4. In this video, what do areas of dark green represent?
5. What do areas that are colored light green or tan represent?
6. Observe the eastern United States in the beginning of the video. What pattern do you notice in the months of March and April? Why do you think that is?

Teachers, these mini lessons/student activities are perfect "warm up" tasks that can be used as a hook, bell ringer, exit slip, etc. They take less than a class period to complete. Learn more on the "[My NASA Data What are Mini Lessons?](#)" page.

Teachers who are interested in receiving the answer key, please complete the [Teacher Key Request and Verification Form](#). We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

My NASA Data Visualization Tool

- [Earth System Data Explorer](#)