Student Directions

El Niño is a recurring climate event, characterized by unusually-warm ocean water in the Pacific ocean, which has an effect on weather patterns around the world.

Read the article “2015-2016 El Niño triggered disease outbreaks across globe” and how different diseases are spread by different animals. Then review the associated video on a NASA study examining the effects of the 2015-2016 El Niño and health around the world. When you have reviewed the materials, answer the questions below.


Steps:

1. Check with your instructor on how to submit your answers.
2. Reflect on what you learned in the article and video.
3. Analyze the 2 maps below of El Niño and Rainfall and Elevated disease risk. Answer the
1. Identify the environmental changes that are associated with El Niño events.
2. Identify which diseases were elevated in Colorado and New Mexico. What do these states have in common?
3. Identify which disease were elevated in Tanzania?
4. Identify which disease were elevated in Brazil and Southeast Asia. What do these countries have in common and what was the impact?
5. How do the environmental changes caused by El Niño relate to the spreading of certain diseases (plague, hantavirus, cholera, and dengue fever)?

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.

Access and Explore Data

- Daily Sea Surface Temperatures