

Global Science Assignments 3/18-4/3

You will be completing assignments using Khan Academy. See my Teacher Page for directions to log on and join a class.

3/18- [Volcanoes 101](#)
[Volcanoes Magma Rising](#)

Assignment: Read the articles above and answer the following thought questions on a separate paper. Answer in complete sentences.

1. Where do the vast majority of Volcanic Eruptions occur?
2. What is the term for the area that contains volcanic activity away from tectonic plate boundaries? What causes such intense heat in these areas?
3. What happened on May 8th of 1902 in the Caribbean Ocean?
4. What is the term for a mixture of hot gas, rocks and ash that spew during an eruption?
5. List the steps that explain how subduction forms a volcano.

3/19-[Monitoring Mt. Etna \(Video\)](#)
[Follow the Magma](#)
[Yellowstone-Monitoring the Fire Below \(Video\)](#)

Assignment: watch the videos above and read the article. Afterwards answer the following questions on a separate sheet of paper using full sentences.

1. How do scientists from the Italian National Institute for Geophysics and Volcanology record seismic activity, measure gases seeping up through the ground, sense the volcano's temperature changes, and assess disturbances in gravitational and magnetic fields to predict eruptions weeks ahead of time?
2. What cities occupants were devastated in 1669 due to the event at Mt. Etna?
3. Is it always possible to predict eruptions?
4. Write a 10 sentence summary on your understanding of how drastically Yellowstone could change the landscape around it. As well as how it would affect the living creatures (plants and animals) that rely on the area for survival in the event of an eruption.

3/20-[Yellowstone National Park is a Volcano](#)
[Scientist at Work: Hawaii](#)
[Practice Quiz: Volcanoes \(Worth Credit\)](#)

Assignment: Watch the video above and read the Article, at the end take the practice quiz which is graded for points. You are welcome to use the materials from 3/18-3/20 to complete the quiz. You will need to have completed all assignments and watched all videos in order to pass the quiz.

These assignments have an extended due date until 4/5/2020

