

Geology 1002.1 Project 4

Go to the Internet or the library and find at least **three, approved** articles/books/websites on your assigned volcanic eruption. An approved reference is refereed. A professional organization (U.S. Geological Survey), university (LSU), or journal (Science) has had independent experts review and approve the publication. Wikipedia is NOT an approved source as anybody can contribute anything to that website. If you are not sure of your sources, check with the instructor.

Crater Lake, Oregon (Hebert, Mounger, Gupta, Wilson)
Santorini, Greece (Edwards, Chevallier, Kornuta, Albright)
Vesuvius, Italy (Viola, Jackson, Truitt, Placer)
Krakatoa, Indonesia (Trantham, Guillotte, Olivier, Scoggin)

Your final report should be 3 to 5 pages in length using Times New Roman 12-point font, double spaced. Your name, course number, my name, and the date should be included in your heading. All essays should be titled. All images used in your paper must be accompanied by a photo caption explaining what the image is and a reference to the source of that image. You must provide a formatted list of all sources you used for this assignment on an individual page at the end of your essay.

Follow the guidelines below for format and content requirements:

1) Introduction

- Description/diagram of the plate tectonic environment in which the volcano formed. Also, discuss/describe another area on Earth where a similar plate tectonic environment exists.
- A map showing the location of the volcano.
- Summary of earlier volcanic eruptions in the region.

2) Main Body

- List of the events leading up to the major or most recent eruption(s).
- A photo/drawing showing the volcano during the eruption.
- A summary of the eruption including: date and time, cause(s) of the eruption, sequence of events/hazards, area affected, fatalities, property damage, and type(s) of material (e.g., basaltic lava, ash) erupted.

3) Discussion

- Summary of how the region has recovered since the eruption.
- Describe current/recent activity. What is the likelihood that this activity will develop into a major eruption?

4) References

- A list of the web sites, books or articles used in your report/summary. You can follow any of the accepted professional citation guidelines (MLA, APA, Chicago Manual, CBE), but you must be consistent. Here is a good web site that will help you format your citations: <http://www.bedfordstmartins.com/online/citex.html>