



Name: _____

Date: _____ Class: _____

Sunset Crater Volcano Web Quest!

Group 1: What causes volcanoes?

Make sure to read and follow the directions for each section of this web quest carefully and answer the questions for each page that you navigate to. The more detailed your answers the better!

Start at www.nps.gov/sucr/forteachers/classrooms/sunset-crater-volcano-web-quest-groups.htm

Find the “Sunset Crater Volcano Web Quest” and click on the link titled “Understanding Plate Motions” listed under Group 1.

1. How are volcanoes and the process of Plate Tectonics related? _____

2. Pick one of the boundaries described here and explain what happens at this boundary. _____

Go back to the NPS website with your group’s links.

Click on the link titled “Frequently Asked Questions”. Make sure you are still trying to answer the question “What causes volcanoes?”

3. Select a question from the “About Volcanic Eruptions” section of this page. Write down that question and SUMMARIZE the answer.

4. Select a question from the “About Studying and Working on Volcanoes” section of this page. Write down that question and SUMMARIZE the answer.

5. Select a question from the “Movies - Fact or Fiction” section of this page. Write down that question and SUMMARIZE the answer.

Go back to the NPS website with your group’s links.

Click on the link titled “Sunset Crater’s Eruption”.

6. Based on what it says on this page, what do you think the eruption of Sunset Crater Volcano would have been like for the people who lived nearby? .

7. In the column to the left, click on “Natural Features and Ecosystems”, then “Volcanoes/Lava”. Describe what Sunset Crater Volcano’s eruption may have looked like. What happened during the eruption?

Go back to the NPS website with your group’s links.

Click on the link titled “Virtual Field Trip”.

Click on the links to travel through the virtual field trip. These are pictures from the park itself! Use these links to answer the question below.

8. Think about the previous webpages you looked at. What evidence do you think scientists study and use from Sunset Crater Volcano to support their theories of what causes volcanoes?

If you finish early, explore the rest of Sunset Crater Volcano’s website.