Volcanologist’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Volcano Research Project**

**Partner’s names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of Volcano\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Directions: You and your partners are volcanologists (geologists who study volcanoes). Your assignment is to research your volcano, complete the answers to the following questions, complete a poster on your volcano, complete a model of your volcano, and present your information in a slideshow or movie on your volcano to the class on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Section 1: Questions 1-12 (25 points)

Use the provided books, websites, and any other resources you have available to you to answer the following questions. Please be sure to reference the books and sites that you use.

1. In what country is your volcano located?
2. How many miles above sea level is your volcano?
3. Tell the type of volcano you are studying.
4. When was the last time your volcano erupted?
5. Is your volcano located in the Eastern or Western hemisphere?
6. Is your volcano located in the Northern or Southern hemisphere?
7. What is the name of the closest city to your volcano? List the distance that this city is from the volcano.
8. Is your volcano active, dormant, or extinct? ( extra- explain )
9. Identify the effects the last eruption of your volcano had on humans, weather, buildings, and the surrounding land. What events (earthquakes, floods, mudslides, ash clouds, etc, ) have occurred with past eruptions of your volcano?
10. Name three interesting facts about your volcano (not included in the above information).

1.

2.

3.

11. List the resources you used to locate the above information (book titles and authors, websites, encyclopedias, etc. )

**Section 2: Poster Requirements (25 points)**

\***Draw a diagram/picture of your volcano on the poster**. Identify the different parts of the volcano on your drawing ( vent, lava, magma chamber, crater.) You may include a photocopied picture of your volcano as well.

Your poster must include the following:

1. Name of the volcano
2. Type of volcano
3. Date of the most recent eruption

**Section 3: Create a model of how your volcano looks today. (25 points)**

Materials needed: lots of old newspapers, aluminum foil, an empty water bottle, aluminum tray, and masking tape.

Ms. Jones will provide: foil, tray, and tape

You will provide: empty water bottle and newspapers

Directions: Be sure you know what your volcano looks like. Is it tall with steep sides, tall at the top and spread wide at the base, or shaped like a shield?

1. Roll the newspaper into balls and start to build up the shape of your volcano around the plastic water bottle. Use the masking tape to hold the paper balls in place. When you have completed the shape, cover your newspaper with foil and give it to Ms. Jones. Ms. Jones will assist you with spray painting it.

**Section 4: Class Presentation: (25 points)**

 You and your partners will create a slideshow presentation that includes all of the information in this packet and will use it to teach the class about your volcano. Each partner must read a portion of the slideshow to the class. During the presentation you will also be provided with the materials necessary to make your volcano erupt. (vinegar, baking soda, and red food coloring- a chemical reaction or corn syrup, antacid, and food coloring if you prefer.)