Which boundaries produce volcanoes?

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(for the quiz you have to identify these boundaries)

1. Non-Boundary Volcano: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

~Where does the gas come from that causes volcanoes to erupt?

**Mini Volcano Lab** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr\_\_\_

Make Three **Different** Hypotheses about the following trails. How high will the cap pop off? (complete sentences!)

Black Canister with slit:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

White canister with small piece:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

White canister with large piece:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. First you need to assign roles to your lab group:
   1. Water Filler
   2. Plop Plop Fizz Fizzer
   3. Quick Capper
   4. Swift Timer
2. Fill the film canister half full of water.
3. After your person plops it into the canister, QUICKLY cap the lid on so you don’t loose gas.
4. As soon as the lid goes on, your timer needs to start timing. OBSERVE WHAT IS HAPPENING!
5. Repeat steps 3-6, with the **White canister with small piece of tablet,** and **white canister with larger piece of tablet.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **TIME TO BLOW OFF THE LID** | **HOW HIGH THE CAP WENT** | **OBSERVATIONS** |
| **Black Canister :**  **Slit On Cap** |  |  |  |
| **White Canister: 1/8 of tablet** |  |  |  |
| **White Canister: ½ tablet**  **(Two Trials)** |  |  |  |
|  |  |

In conclusion: Describe how each container is like a volcano…think think think!! **(complete sentences!)**

1.

2.

3.