



Name: _____
Class: _____

Build Your Own Volcano

Internet Assignment

- ❖ Go to the following link: <http://kids.discovery.com/games/pompeii/pompeii.html>
- ❖ Click on the “ENTER” button and then the “Build Your Own Volcano” link.
- ❖ Follow the directions provided on the page. Change the Magma viscosity and gas levels and set the conditions. Before you start the eruption, make sure that you read the information provided about the type of volcano that is formed under these conditions. This information and your observations will help you answer the following questions below.

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1. Complete the four square models **on the back of this page** with the 3 most common categories (types) of volcanoes. (To find the “Eruption type” you will need to build that type of volcano)

 2. When you set the magma viscosity and gas levels to low, what kind of volcano is formed? What part of the world is made up of these volcanoes?

 3. In order to produce a Cinder Cone volcano what viscosity and gas level will you need?

 4. What is pyroclastic flow?

 5. A dome volcano usually has a slow eruption, what conditions (viscosity and gas level) do you need to produce a dome volcano