Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A Volcanic Eruption

Fill in Notes

**Directions:**

Use the website, <http://www.iknowthat.com/ScienceIllustrations/volcano/science_desk.swf> , to fill in the note sheet.

1. Label the parts of the volcano.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a crack in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ crust through which \_\_\_\_\_\_\_\_\_\_\_, pieces of \_\_\_\_\_\_\_\_\_ and hot \_\_\_\_\_\_\_\_\_\_ erupt. A \_\_\_\_\_\_\_\_\_\_ is often a mountain that has formed from repeated \_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an opening through which \_\_\_\_\_\_\_\_\_\_\_\_ and other volcanic material erupts. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ has a main \_\_\_\_\_\_\_\_\_\_\_ and may also have smaller side vents, called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The \_\_\_\_\_\_\_\_\_\_\_ is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ layer of the earth. It is about \_\_\_\_ miles thick under the continents and about \_\_\_\_ miles thick under the oceans.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_ is a mixture of melted \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ below the surface of the earth.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Chamber**

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chamber is the space beneath a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ collects and pools.

1. Fill in the four steps on how a volcano erupts.
	1. Beneath the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, molten \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rock filled with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ collects in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chamber.
	2. Magma pushes through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the Earth’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and rises up into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vent. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is building up in the mountain.
	3. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ becomes so great that the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ blows off! Ash and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ shoot high into the air forming a big \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Lava flows from the \_\_\_\_\_\_\_\_\_\_\_\_\_ and its branches.
	4. After the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the volcano looks different. Now there is a \_\_\_\_\_\_\_\_\_\_\_ at its top. Over time, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ might build up again and cause another eruption.
2. Types of Volcanoes

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Additional Information:
	1. Lava can reach temperatures of \_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	2. About half of the world’s active volcanoes are located around the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ocean. This zone is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	3. In 1935, Charles Richter invented a system for measuring the size of earthquakes called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Tracking earthquakes activity is important for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ volcanoes.

**Bonus Question:**

 Scientists have discovered volcanoes on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.