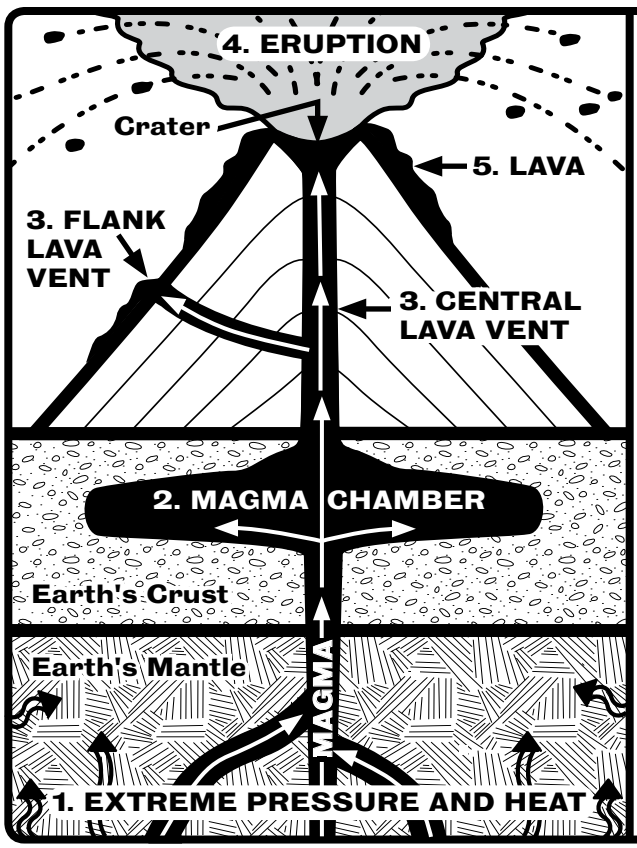
Name: _____

Volcano Breakdown

Now that you have read the *Scholastic News* article about recent activity at three U.S. volcanoes, read the graphic below to learn more about volcanoes. Use the graphic to answer the questions.



How Volcanoes Erupt

1. **Extreme pressure and heat** build up deep within Earth's inner layers.
2. These forces turn solid rock into gas and a hot liquid known as magma. Magma rises and pools in a **magma chamber** beneath the surface.
3. As the magma rises, it gushes up to the surface through the **central and flank lava vents**. These vents are holes in the volcano through which hot magma flows to the surface. The crater is the opening through which lava flows from the central lava vent.
4. This flow to the surface is an **eruption**.
5. Magma becomes **lava** once it leaves the volcano. During a major eruption, lava, as well as ash and solid rock chunks, can be spread over many miles.

1. **You know that magma is an extremely hot substance because it is ___**
   Ⓐ a liquid
   Ⓑ formed under extreme heat and pressure
   Ⓒ located right under a volcano
   Ⓓ underground

2. **Lava vents are located ___**
   Ⓐ on the surface of volcanoes
   Ⓑ above volcanoes
   Ⓒ within volcanoes
   Ⓓ beneath volcanoes

3. **From the diagram, you can guess that lava most likely turns into ___ when it cools and hardens.**
   Ⓐ rock
   Ⓑ ice
   Ⓒ smoke
   Ⓓ water

4. **You can guess that volcanic eruptions might be dangerous because they ___.**
   Ⓐ occur only at night
   Ⓑ result in a lot of noise
   Ⓒ affect the weather
   Ⓓ can spread lava and ash over a large area