

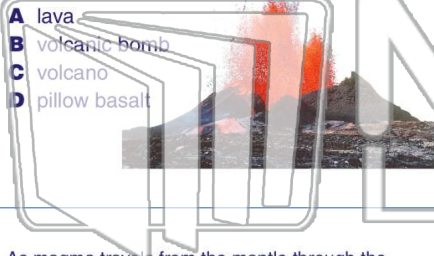


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1

A **mountain** that forms when **magma** erupts from the earth's crust and onto the surface is called a \_\_\_\_\_.

- A lava
- B volcanic bomb
- C volcano
- D pillow basalt



2

There are two categories of volcanoes that are defined based on **how the lava erupts** from the volcano. The volcano pictured here is known as a(n) \_\_\_\_\_.

- A explosive volcano
- B nonexplosive volcano
- C sea mount
- D mid-ocean ridge



3

As magma travels from the mantle through the crust, it cools a little at a time. As it cools, minerals rich in iron and magnesium crystallize out of the magma. The **remaining magma** has **greater silica**

4

Explosive volcanoes form where magma has had to work its way through a thick layer of continental crust. Which types of tectonic plate **boundaries** are **layered** to create the setting for

5



## PREVIEW

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7

such as **ash** and **cinders** is called a \_\_\_\_\_.

- A stratovolcano
- B cinder cone
- C sea mount
- D shield volcano



thousands of years by \_\_\_\_\_.

- A alternating layers of pyroclastic material and lava flows
- B accumulation of ashes and cinders
- C only nonexplosive lava flows
- D only pyroclastic material in explosive eruptions



9

A tube called a pipe allows magma to flow to the surface and out of the earth's crust through a vent to form a volcano. At the top of many volcanic vents are a **cone-shaped depression** formed when pyroclastic material erupts from the volcano. Geologists call this depression a \_\_\_\_\_.

- A caldera
- B crater
- C plateau
- D magma chamber

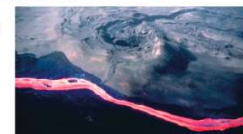


10

Some volcanoes result in **thick, extensive layers** of lava called **lava plateaus** that can cover thousands of square miles.

Lava plateaus form when there is \_\_\_\_\_.

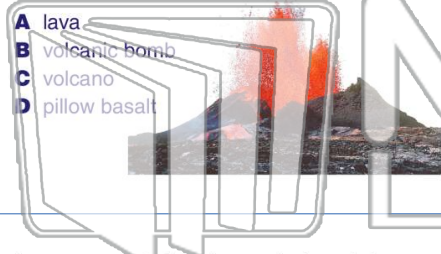
- A magma that is high in silica content
- B magma that is low in silica content
- C a long crack in the crust
- D a round hole in the crust





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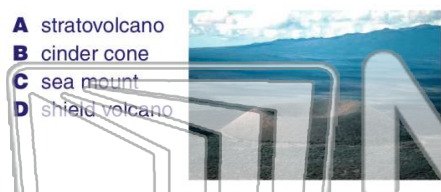


5

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