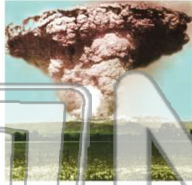




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1

An **explosive** volcanic eruption occurs when the lava has \_\_\_\_\_.



- A high water content and low silica content
- B low water content and high silica content
- C high water content and high silica content
- D low water content and low silica content

2

Nonexplosive lava flows often **cool quickly** on the surface while the molten lava continues to flow inside this harder outer "skin."

What do geologists call this type of lava?



- A aa lava (pronounced *ah-ah*)
- B blocky lava
- C pahoehoe lava (pronounced *pa-hoe-ay-hoe-ay*)
- D pillow lava

3

Lava flows that **cool** and have **jagged edges** are referred to



4

When lava erupts on the **ocean floor**, its outer surface cools very quickly. The lava formation has a glassy outer layer and large, rounded surfaces.



5



## PREVIEW

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7

can even **block out** some of the sun's radiation. This may cause the **average temperature** to \_\_\_\_\_.

- A decrease, creating wet, cool summers
- B increase, creating dry, hot summers
- C increase, creating wet winters
- D decrease, creating warm winters



of the crust?

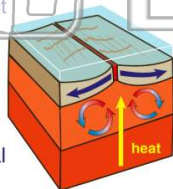
- A it is cold and dense
- B it is hot and dense
- C it is hot and less dense
- D it is cool and less dense



9

What **two factors** interact with each other to allow the **melting of rock** material?

- A pressure and density
- B pressure and chemical composition
- C temperature and chemical composition
- D pressure and temperature



10

Where do volcanoes form?

- A where tectonic plates collide
- B where tectonic plates separate
- C in the middle of tectonic plates
- D all of the above

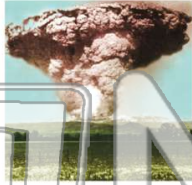




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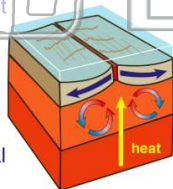
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