



PHYSICAL GEOLOGY (GEOL121004)-1204

Content

Homework

Take Test: HW 5: Volcanoes



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Test Information

Description Homework based on Chapter 5 (and a little from Chapter 4). Due before the end of the day 9/25.

Instructions

Multiple Attempts This test allows 2 attempts. This is attempt number 1.

Force Completion This test can be saved and resumed later.

QUESTION 1

10 points

Saved

What is the main determinant of a lava's viscosity?

- ☐ volatile content
- ☐ temperature
- ☒ composition
- ☐ slope angle

❖ Question Completion Status:

QUESTION 2**10 points**

Saved

Explosive eruptions are typical of _____ volcanoes.

- ☐ composite
- ☐ fissure
- ☐ cinder cone
- ☒ shield

QUESTION 3**10 points**

Saved

Which texture is NOT typical of rocks formed from frozen lava? (Pay careful attention to the specific wording of this question!)

- ☐ aphanitic
- ☐ vesicular
- ☒ glassy
- ☐ phaneritic

QUESTION 4**10 points**

Saved

What kind of lava do shield volcanoes typically produce?

- ☐ andesitic
- ☐ rhyolitic
- ☒ basaltic

❖ Question Completion Status:

QUESTION 5**10 points**

Saved

Where might you expect to find a stratovolcano? Check all that apply.

- ☐ oceanic hot spot
- ☒ continental rift
- ☒ convergent boundary
- ☐ mid ocean ridge

QUESTION 6**10 points**

Saved

Which type of lava is NOT typically associated with a pyroclastic flow?

- ☐ andesitic
- ☐ rhyolitic
- ☐ basaltic
- ☒ all of the above

QUESTION 7**10 points**

Saved

Which mineral is least likely to be found in rock from a rhyolitic volcano?

- ☐ olivine
- ☐ biotite
- ☐ albite (Na-plagioclase feldspar)

❖ Question Completion Status:

QUESTION 8**10 points**

Saved

What is the primary source of magma supplying a volcano over a subduction zone?

- ☐ melting due to the addition of volatiles
- ☒ melting due to decompression
- ☐ melting due to heat transfer

QUESTION 9**10 points**

Saved

What kind of lava would you expect to find at a volcano atop an oceanic hot spot?

- ☐ andesitic
- ☒ basaltic
- ☐ rhyolitic
- ☐ any kind of lava is likely to form at this setting

QUESTION 10**10 points**

Saved

Which of the following traits of a magma is NOT likely to produce an explosive eruption?

- ☐ abundant volatiles
- ☐ high temperature
- ☐ high silica content

🚩 Question Completion Status:

Save All Answers

Save and Submit