

Volcanoes: Earth's Fiery Architects

Earth Science · Practice Test · 10 Questions

1. What percentage of Earth's surface do volcanoes create?

- A) Over 80%
- B) About 50%
- C) Less than 20%
- D) Approximately 95%

2. Guatemala's Pacaya is known as one of the most what in the world?

- A) Dangerous volcanoes
- B) Active volcanoes
- C) Extinct volcanoes
- D) Largest volcanoes

3. What is a fast-flowing wave of mud and debris down a volcano's flanks called?

- A) Pyroclastic flow
- B) Lahar
- C) Ash fall
- D) Magma flow

4. Which of the following is NOT a sign that a volcano might erupt?

- A) Small earthquakes
- B) Decreased gas emissions
- C) Swelling of the volcano
- D) Increased gas emissions

5. What is the name of the 25,000-mile horseshoe-shaped volcanic arc?

- A) Ring of Fire
- B) Pacific Rim
- C) Volcanic Belt
- D) Eruption Zone

6. What is the name for avalanches of hot rocks, ash, and toxic gas that race down slopes?

- A) Lahar
- B) Pyroclastic flows
- C) Magma surge
- D) Volcanic bombs

7. Which type of eruption is more common when magma is less viscous, allowing gas to escape?

- A) Explosive
- B) Effusive
- C) Phreatic
- D) Plinian

8. What is the name of the largest active shield volcano?

- A) Mauna Kea
- B) Puhahonu
- C) Mount Fuji
- D) Mauna Loa

9. What is the deadliest volcanic eruption in recorded history?

- A) Mount Vesuvius (79 AD)
- B) Mount St. Helens (1980)
- C) Mount Tabora (1815)
- D) Krakatoa (1883)

10. What is a subduction zone?

- A) Where two tectonic plates slide past each other
- B) Where one tectonic plate plunges below another
- C) A zone of increased seismic activity
- D) An area of volcanic inactivity