

# Volcanoes: Earth's Fiery Architects

Earth Science · Answer Key · 10 Questions

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**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