

# Introduction to Volcanology

Volcanology · Practice Test · 20 Questions

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**1. What is molten rock called while it is still underground?**

- A) Lava
- B) Magma
- C) Basalt
- D) Ash

**2. What is the term for molten rock once it reaches the Earth's surface?**

- A) Magma
- B) Lava
- C) Crystal
- D) Sediment

**3. Which major area in the Pacific Ocean is home to most of the world's active volcanoes?**

- A) The Atlantic Ridge
- B) The Bermuda Triangle
- C) The Ring of Fire
- D) The Arctic Circle

**4. What type of volcano is broad and flat, resembling a warrior's shield?**

- A) Cinder Cone
- B) Stratovolcano
- C) Shield Volcano
- D) Caldera

**5. Which volcano type is known for its tall, conical shape and explosive eruptions?**

- A) Shield Volcano
- B) Fissure Vent
- C) Stratovolcano
- D) Lava Dome

**6. What is a volcano called if it is currently erupting or shows signs of erupting?**

- A) Dormant
- B) Extinct
- C) Active
- D) Silent

**7. A volcano that has not erupted for a long time but is expected to erupt again is called:**

- A) Active
- B) Extinct
- C) Dormant
- D) Dead

**8. What is the name of the large, bowl-shaped depression formed when a volcano collapses?**

- A) Crater
- B) Caldera
- C) Vent
- D) Fissure

**9. Which volcanic rock is unique because it is light enough to float on water?**

- A) Obsidian
- B) Basalt
- C) Pumice
- D) Granite

**10. What is the naturally occurring volcanic glass formed when lava cools very quickly?**

- A) Obsidian
- B) Quartz
- C) Diamond
- D) Slate

**11. What is the primary gas released during most volcanic eruptions?**

- A) Oxygen
- B) Nitrogen
- C) Water Vapor
- D) Helium

**12. What is the term for a fast-moving current of hot gas and volcanic matter?**

- A) Lava flow
- B) Pyroclastic flow
- C) Mudslide
- D) Tsunami

**13. Which famous Roman city was buried by the eruption of Mount Vesuvius in 79 AD?**

- A) Rome
- B) Athens
- C) Pompeii
- D) Carthage

**14. What is the opening at the top of a volcano called?**

- A) Conduit
- B) Vent
- C) Crater
- D) Chamber

**15. Which island chain was formed by a volcanic 'hotspot' in the middle of a tectonic plate?**

- A) Hawaii
- B) Japan
- C) The Philippines
- D) The United Kingdom

**16. What term describes a fluid's resistance to flow, often used to describe lava thickness?**

- A) Density
- B) Viscosity
- C) Velocity
- D) Gravity

**17. What are the tiny particles of jagged rock and glass blown into the air during an eruption?**

- A) Soot
- B) Dust
- C) Volcanic Ash
- D) Sand

**18. A volcano that is never expected to erupt again is referred to as:**

- A) Dormant
- B) Active
- C) Extinct
- D) Sleeping

**19. What is the main underground 'room' where magma is stored before an eruption?**

- A) Magma Chamber
- B) Lava Tube
- C) Basement
- D) Vault

**20. What do we call scientists who study volcanoes?**

- A) Meteorologists
- B) Volcanologists
- C) Astronomers
- D) Biologists