

Introduction to Volcanology

Volcanology · Answer Key · 20 Questions

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