

Volcano Basics for Young Explorers

Volcanology · Answer Key · 10 Questions

1. What is the molten rock called when it is inside the Earth?

- A) Lava
- B) Ash
- C) Magma**
- D) Obsidian

2. When molten rock erupts from a volcano, what is it called?

- A) Magma
- B) Gas
- C) Ash
- D) Lava**

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

- A) Crater**
- B) Vent
- C) Cone
- D) Caldera

4. Which of these is a common gas released by volcanoes?

- A) Oxygen
- B) Nitrogen
- C) Carbon Dioxide**
- D) Hydrogen

5. What is the most common type of volcano that has steep sides and is cone-shaped?

- A) Shield volcano
- B) Cinder cone volcano
- C) Stratovolcano**
- D) Lava dome

6. Which type of volcano is known for its broad, gently sloping sides formed by fluid lava flows?

- A) Cinder cone volcano
- B) Stratovolcano
- C) Shield volcano**
- D) Maar

7. What are the small, rocky fragments ejected from a volcano during an eruption called?

- A) Lava bombs
- B) Volcanic ash**
- C) Scoria
- D) Pumice

8. Where are most of the world's volcanoes located?

- A) In deserts
- B) Along the Mid-Atlantic Ridge
- C) Along tectonic plate boundaries**
- D) On the tops of mountains

9. What is a large, collapsed volcano crater called?

- A) Crater
- B) Vent
- C) Caldera**
- D) Summit

10. The superheated mixture of gas and rock that can flow down the sides of a volcano at high speeds is called a:

- A) Lava flow
- B) Pyroclastic flow**
- C) Mudflow
- D) Volcanic bomb