

KEY: Volcanoes: Test Your Knowledge

Volcanoes are vents in the surface of the Earth through which magma, gases and ash erupt. This situation can create terrible consequences for individuals in such regions. Test your knowledge of volcanoes with these questions. Use another sheet of paper to respond to the free response questions and remember to provide support for your answers.

Multiple Choice

Please circle the correct answer.

1. Which of the following theories help explain the phenomena of volcanoes?

- a. Natural Extinction
- b. Conservation of Heat
- c. **Plate Tectonics**
- d. Thermodynamics

Website: Natural Disasters > Volcano > Overview

2. Which volcano type is the simplest in structure?

- a. **Cinder Cone**
- b. Composite
- c. Shield
- d. Lava Dome

Website: Natural Disasters > Volcano > Overview

3. What percent of the world's population are danger zones of volcanoes?

- a. **10%**
- b. 20%
- c. 30%
- d. 50%

Website: Natural Disasters > Volcano > Consequences

Short Answer

Please write the answers on a separate sheet of paper.

4. Name and describe the different states in which volcanoes can exist.

Active: currently eruption or showing signs for; Dormant: not currently active but has potential to be; Extinct: unlikely

to erupt again

Website: Natural Disasters > Volcano > Overview

5. Describe the different impacts ash fall can have.

collapse building from weight (especially when wet), make roads hard to travel, suffocate people

Website: Natural Disasters > Volcano > Consequences

6. Describe Mount St. Helen's eruption and its consequences.

Facts: dormant volcano, caused by magnitude 4.2 earthquake: Consequences: killed 57 people and thousands of animals including deer, Chinook, and salmon

Website: Natural Disasters > Volcano > Case Study

Abstract & Logic

Please note that abstract and logic questions do not have any right or wrong answer. These questions are best suited towards class discussions.

7. Volcanoes are generally considered a form of natural disaster. Can you think of the ways that they can benefit us and the environment? Do these benefits outweigh the consequences?

scenery and tourism, ash minerals enrich the soil, haven for rare plants and animals, volcanic gases help form water and our atmosphere

Website: Natural Disasters > Volcano > Consequences

8. Assuming that your area is in a volcano danger zone, how would you form a volcano watch program for your community?

Responses can include volcano monitoring team and devices, public education and information, identify refuge zones, public transportation in case of an emergency, rescue services. Look for area specific answers.

Website: Natural Disasters > Volcano > Government Response