

Name \_\_\_\_\_ Date \_\_\_\_\_

**Instructions:** Read each question carefully and choose the best answer.

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| <p><b>1.</b> How is a tsunami different from an earthquake?</p> <ul style="list-style-type: none"> <li>Ⓐ A tsunami is caused by an earthquake or volcano.</li> <li>Ⓑ A tsunami causes an earthquake.</li> <li>Ⓒ A tsunami is measured on a Richter scale.</li> <li>Ⓓ A tsunami doesn't cause any damage to property.</li> </ul> <p><b>2.</b> What does the Richter scale measure?</p> <ul style="list-style-type: none"> <li>Ⓐ the strength of earthquakes</li> <li>Ⓑ the amount of magma released</li> <li>Ⓒ the time plates will move</li> <li>Ⓓ all of the above</li> </ul> | <p><b>3.</b> Which of the following states a fact?</p> <ul style="list-style-type: none"> <li>Ⓐ Earthquakes aren't dangerous.</li> <li>Ⓑ Earthquakes are easy to predict.</li> <li>Ⓒ Volcanoes are less damaging than earthquakes.</li> <li>Ⓓ The Earth is constantly changing.</li> </ul> <p><b>4.</b> What is <b>magma</b>?</p> <ul style="list-style-type: none"> <li>Ⓐ giant pieces of rock and soil that make up the surface of the Earth</li> <li>Ⓑ cracks in the surface of the Earth</li> <li>Ⓒ melted, liquid rock beneath Earth's crust</li> <li>Ⓓ enormous ocean waves</li> </ul> |
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5. Why don't you see a tsunami in the middle of the ocean?
  - Ⓐ It hasn't built up enough strength yet.
  - Ⓑ It is deep but not high above the surface.
  - Ⓒ It only happens near the shore.
  - Ⓓ All of the above
6. How are earthquakes, volcanoes, and tsunamis alike?
  - Ⓐ All are caused by activity deep in the Earth.
  - Ⓑ All cause a drop in the Earth's temperature.
  - Ⓒ All give off poisonous gases.
  - Ⓓ All of the above
7. Which of the following could happen as a result of a volcanic eruption?
  - Ⓐ landslides
  - Ⓑ fires
  - Ⓒ cooling of Earth's temperature
  - Ⓓ all of the above
8. Which of the following states an opinion?
  - Ⓐ Tsunamis are the largest type of waves.
  - Ⓑ Clouds of dust and ash rise into the air during a volcanic eruption.
  - Ⓒ Underwater earthquakes cause the sea floor to move violently.
  - Ⓓ Earthquakes are the most damaging natural disaster.
9. Which word means *cracks in the surface of the Earth usually around the edges of plates*?
  - Ⓐ plates
  - Ⓑ faults
  - Ⓒ mudslides
  - Ⓓ earthquakes

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**10.** What is the main idea of this book?

- Ⓐ One day, scientists will be able to warn people before earthquakes occur.
- Ⓑ Earthquakes, volcanoes, and tsunamis are some of the most destructive forces of nature.
- Ⓒ Volcanic explosions can be so powerful that they can knock over entire forests.
- Ⓓ Even small tsunamis can destroy houses.

**11. Extended Response:** Explain what causes mudslides on a volcano.

**12. Extended Response:** How will the early predictions of volcanoes, earthquakes, and tsunamis help people? Give two supporting ideas.

## Quick Check Answer Sheet

## Earthquakes, Volcanoes, and Tsunamis

Main Comprehension Skill: Fact or Opinion

1. Ⓐ *Compare and Contrast*
2. Ⓐ *Main Idea and Details*
3. Ⓓ *Fact or Opinion*
4. Ⓒ *Vocabulary*
5. Ⓑ *Cause and Effect*
6. Ⓐ *Compare and Contrast*
7. Ⓓ *Cause and Effect*
8. Ⓓ *Fact or Opinion*
9. Ⓑ *Vocabulary*
10. Ⓑ *Main Idea and Details*
11. Answers should include the idea that lava *melts snow, which creates floods and mudslides.*
12. Answers will vary, but may include: *scientists will be able to warn people sooner; scientific research teams can position quicker; families can plan their evacuation routes.*