

Name _____ Date _____

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

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| <p>1. How is a tsunami different from an earthquake?</p> <ul style="list-style-type: none"> Ⓐ A tsunami is caused by an earthquake or volcano. Ⓑ A tsunami causes an earthquake. Ⓒ A tsunami is measured on a Richter scale. Ⓓ A tsunami doesn't cause any damage to property. <p>2. What does the Richter scale measure?</p> <ul style="list-style-type: none"> Ⓐ the strength of earthquakes Ⓑ the amount of magma released Ⓒ the time plates will move Ⓓ all of the above <p>3. Which of the following states a fact?</p> <ul style="list-style-type: none"> Ⓐ Earthquakes aren't dangerous. Ⓑ Earthquakes are easy to predict. Ⓒ Volcanoes never cause damage. Ⓓ The Earth is constantly changing. | <p>4. What is magma?</p> <ul style="list-style-type: none"> Ⓐ giant pieces of rock and soil that make up the surface of the Earth Ⓑ cracks in the surface of the Earth Ⓒ melted, liquid rock beneath Earth's crust Ⓓ enormous ocean waves <p>5. Why is it difficult to see tsunamis in the open ocean?</p> <ul style="list-style-type: none"> Ⓐ They are deep, but not high above the surface. Ⓑ They only happen close to the shore. Ⓒ They haven't built up enough strength yet. Ⓓ All of the above <p>6. How are earthquakes, volcanoes, and tsunamis alike?</p> <ul style="list-style-type: none"> Ⓐ 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 |
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Quick Check continued on following page

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7. Which of the following is not a possible result of a tsunami?
 - Ⓐ People are killed.
 - Ⓑ Tectonic plates get stuck.
 - Ⓒ Entire towns are destroyed.
 - Ⓓ Houses are destroyed.
8. Which of the following states an opinion?
 - Ⓐ Tsunamis are the largest waves in the world.
 - Ⓑ Clouds of dust and ash rise into the air during a volcanic eruption.
 - Ⓒ Underwater earthquakes cause the sea floor to move violently.
 - Ⓓ People shouldn't worry about earthquakes.
9. Which word means *cracks in the surface of the Earth, usually around the edges of plates*?
 - Ⓐ plates
 - Ⓑ faults
 - Ⓒ mudslides
 - Ⓓ earthquakes
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:** In this book, a volcano was compared to a bottle of soda. Explain this comparison.
12. **Extended Response:** Why would a scientist want to study tsunamis?

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 following idea: *A volcano is like a bottle of soda that has a plug in it. The magma pushes harder and harder against the plug. Finally, the plug blows off, and the volcano explodes.*
12. Answers should include two ideas such as the following:
to help warn people sooner,
to understand tsunamis better,
because tsunamis are so powerful
and cause such damage, and
so on.