Measuring Earthquakes Review

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Understanding Seismographs and God's Design

Name: _____ Date: _____

Answer the following questions based on what you learned about earthquakes and seismographs.

1. What does a seismograph do?

2. Which scales do scientists use to measure earthquake strength?

- **A.** Fahrenheit and Celsius
- **B.** Richter and moment magnitude
- **C.** Height and depth

3. Seismographs can measure the intensity of earthquakes.

◯ True ◯ False

4. The mountains quake before Him, and the hills melt away. The earth trembles at His ___.

5. Why is understanding earthquakes important for helping communities?

6. What is one effect of different earthquake magnitudes?

- **A.** They change the color of the sky
- **B.** They cause different levels of ground shaking
- **C.** They make the ground freeze

7. God's design of Earth's structure shows His creativity.

◯ True ◯ False

8. Richter and moment magnitude scales are used to measure earthquake ___.

9. What do you think is amazing about God’s creation in relation to earthquakes?

10. What does ground movement detected by a seismograph indicate?

- **A.** It indicates a storm
- **B.** It indicates an earthquake
- **C.** It indicates a sunny day

Answer Key

1. A seismograph detects ground movement during an earthquake. 2. Richter and moment magnitude 3. True 4. presence 5. Understanding earthquakes helps communities prepare for and respond to earthquakes, reducing damage and saving lives. 6. They cause different levels of ground shaking 7. True 8. strength 9. God's creation is amazing because He designed the Earth in a way that allows us to understand and measure natural events like earthquakes. 10. It indicates an earthquake