

Name: _____ Date: _____

Pizza Plate Tectonics: A 7th Grade Pie-Slice Quiz

Succumb to the crust's secrets by mapping magma motions and identifying earthquake epicenters across our shifting planetary toppings.

1. Which layer of the Earth acts like a 'conveyor belt' to move the tectonic plates above it?

- A. The inner core
- B. The asthenosphere
- C. The crustal shelf
- D. The atmosphere

2. The Ring of Fire is a major area in the basin of the Atlantic Ocean where many earthquakes and volcanic eruptions occur.

- A. True
- B. False

3. When two continental plates collide at a convergent boundary, the crust crumples upward to form _____.

- A. Deep ocean trenches
- B. Mid-ocean ridges
- C. Folded mountains
- D. Rift valleys

4. What is the name of the instrument used by scientists to record the vibrations caused by an earthquake?

- A. Barometer
- B. Seismograph
- C. Thermometer
- D. Anemometer

5. Magma that reaches the Earth's surface through a volcanic vent is officially called _____.

- A. Ash
- B. Pumice
- C. Basalt
- D. Lava

6. Large waves called tsunamis can be triggered by underwater earthquakes at subduction zones.

- A. True
- B. False

Name: _____ Date: _____

7. A specific location on Earth's surface directly above where an earthquake starts underground is called the:

- A. Focus
- B. Fault line
- C. Epicenter
- D. Hotspot

8. The _____ is a scale used to measure the amount of energy released by an earthquake based on its magnitude.

- A. Richter scale
- B. Celsius scale
- C. Fujita scale
- D. Mohs scale

9. Most volcanoes are found in the middle of tectonic plates rather than at the boundaries.

- A. True
- B. False

10. When two plates slide horizontally past each other, like at a transform boundary, what is the most common result?

- A. Volcanic eruptions
- B. Earthquakes
- C. Ocean trenches
- D. Mountain building