



Read the science passage comparing two topics. Then use evidence from the text to answer the questions.

Science facts: use exact numbers, names, and examples from the passage as your evidence.

Volcanoes vs Earthquakes: Earth's Powerful Shifts



Volcanoes and earthquakes are **both** powerful ways our Earth changes. They happen because huge pieces of Earth's crust, called plates, are always moving slowly. **Both** can cause big changes to the land and can be dangerous.

However, volcanoes are like giant mountains that erupt, sending out hot lava, ash, and gases. Think of a soda bottle shaking and then fizzing over! This happens when melted rock from deep inside Earth pushes its way up. **Unlike** volcanoes, earthquakes are sudden shakes or tremors of the ground. They happen when these big plates suddenly slip past each other.

While an erupting volcano can create new land, like islands, an earthquake mostly shakes and breaks existing land. **Similarly**, both events can happen near the edges where Earth's plates meet. Knowing about them helps scientists understand our planet better.

COMPREHENSION QUESTIONS

(1) Which natural event sends out hot lava and ash?

- (A) Volcanoes (B) Earthquakes (C) Both (D) Neither

(2) Which natural event happens when Earth's plates suddenly slip past each other?



A Volcanoes B Earthquakes C Both D Neither

(3) "Both events happen because Earth's plates are moving." Is this a **SIMILARITY** or **DIFFERENCE**?

A Similarity B Difference

(4) "Volcanoes can create new land, but earthquakes mostly shake existing land." Is this a **SIMILARITY** or **DIFFERENCE**?

A Similarity B Difference

(5) Use a detail from the passage to explain **ONE** way volcanoes and earthquakes are similar.

