



Earth's Layers

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Earthquakes happen when tectonic plates stay perfectly still for a long time.

Rewrite: _____

2. Fix the sentence: Volcanoes form in the middle of tectonic plates and never appear near plate edges.

Rewrite: _____

3. Fix the sentence: The crust is one single unbroken piece of rock that covers the entire planet.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. Melted rock beneath Earth's surface is called _____, but once it erupts it is called lava.
2. The Ring of Fire is a zone around the _____ Ocean where many earthquakes and volcanoes occur.
3. A _____ is a crack in the crust where blocks of rock have moved past each other.
4. When plates pull apart, hot mantle rock can rise up and create new _____ floor.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. How does the mantle cause tectonic plates on the surface to move?

2. Why do most earthquakes and volcanoes happen along the Ring of Fire?

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Earthquakes happen when tectonic plates stay perfectly still for a long time.

Rewrite: Earthquakes happen when tectonic plates suddenly shift and release stored energy.

2. Fix the sentence: Volcanoes form in the middle of tectonic plates and never appear near plate edges.

Rewrite: Volcanoes most often form near plate boundaries where magma can rise through cracks in the crust.

3. Fix the sentence: The crust is one single unbroken piece of rock that covers the entire planet.

Rewrite: The crust is broken into many large pieces called tectonic plates that fit together like a puzzle.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. Melted rock beneath Earth's surface is called magma , but once it erupts it is called lava.
2. The Ring of Fire is a zone around the Pacific Ocean where many earthquakes and volcanoes occur.
3. A fault is a crack in the crust where blocks of rock have moved past each other.
4. When plates pull apart, hot mantle rock can rise up and create new ocean floor.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. How does the mantle cause tectonic plates on the surface to move?

Hot rock deep in the mantle rises toward the surface while cooler rock sinks, creating slow convection currents. These currents push and drag the tectonic plates, causing them to move a few centimeters each year.

2. Why do most earthquakes and volcanoes happen along the Ring of Fire?

The Ring of Fire has many plate boundaries where tectonic plates collide, pull apart, or slide past each other. This constant plate interaction causes frequent earthquakes and allows magma to reach the surface as volcanoes.
