



Earth's Layers

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Earth's crust is divided into large pieces called tectonic _____ .
2. Convection _____ in the mantle cause tectonic plates to move slowly over time.
3. Volcanoes and earthquakes happen most often at plate _____ .
4. The movement of liquid iron in the outer core creates Earth's _____ field.
5. Earth's magnetic field protects living things from harmful solar _____ .
6. When tectonic plates push together, they can form mountain _____ over millions of years.
7. Hot melted rock that rises from the mantle to the surface is called _____ .
8. An earthquake occurs when tectonic plates suddenly _____ and release energy.
9. The Ring of _____ is an area around the Pacific Ocean with many volcanoes and earthquakes.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Mantle convection currents	→ _____	Where most volcanoes and earthquakes occur
Outer core movement	→ _____	Drive tectonic plates to move across Earth's surface
Plate boundaries	→ _____	Large puzzle-like pieces that make up _____

Answer Key · Earth's Layers · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. Earth's crust is divided into large pieces called tectonic plates .
2. Convection currents in the mantle cause tectonic plates to move slowly over time.
3. Volcanoes and earthquakes happen most often at plate boundaries .
4. The movement of liquid iron in the outer core creates Earth's magnetic field.
5. Earth's magnetic field protects living things from harmful solar radiation .
6. When tectonic plates push together, they can form mountain ranges over millions of years.
7. Hot melted rock that rises from the mantle to the surface is called magma .
8. An earthquake occurs when tectonic plates suddenly shift and release energy.
9. The Ring of Fire is an area around the Pacific Ocean with many volcanoes and earthquakes.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Mantle convection currents	→ <u>Drive tectonic plates to move across Earth's surface</u>	Where most volcanoes and earthquakes occur
Outer core movement	→ <u>Creates Earth's magnetic field that shields us from solar wind</u>	Drive tectonic plates to move across Earth's surface
Plate boundaries	→ <u>Where most volcanoes and earthquakes occur</u>	Large puzzle-like pieces that make up