



# 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: Temperature decreases as you travel deeper into Earth's interior.

Rewrite: \_\_\_\_\_

2. Fix the sentence: The mantle is about 300 kilometers thick and is Earth's thinnest layer.

Rewrite: \_\_\_\_\_

3. Fix the sentence: Tectonic plates float on top of the outer core and move very quickly.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

- Heat from Earth's core causes rock in the mantle to flow in slow circles called \_\_\_\_\_ currents.
- The deeper you go inside Earth, the greater the \_\_\_\_\_ pushing on the rock around you.
- The crust beneath the ocean is made of a dense rock called \_\_\_\_\_.
- When two tectonic plates push into each other, they can build tall \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why does the inner core stay solid even though it is hotter than the outer core?

\_\_\_\_\_  
\_\_\_\_\_

2. What are convection currents, and how do they affect the crust?

\_\_\_\_\_  
\_\_\_\_\_

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

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### Part A: Fix the Sentence

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

1. Fix the sentence: Temperature decreases as you travel deeper into Earth's interior.

Rewrite: Temperature increases as you travel deeper into Earth's interior.

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2. Fix the sentence: The mantle is about 300 kilometers thick and is Earth's thinnest layer.

Rewrite: The mantle is about 2,900 kilometers thick and is Earth's thickest layer.

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3. Fix the sentence: Tectonic plates float on top of the outer core and move very quickly.

Rewrite: Tectonic plates float on top of the upper mantle and move very slowly.

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### Part B: Fill in the Blank

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Write the missing word or number on each line.

- Heat from Earth's core causes rock in the mantle to flow in slow circles called convection currents.
- The deeper you go inside Earth, the greater the pressure pushing on the rock around you.
- The crust beneath the ocean is made of a dense rock called basalt .
- When two tectonic plates push into each other, they can build tall mountains .

### Part C: Short Answer

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Answer each question in one or two complete sentences.

1. Why does the inner core stay solid even though it is hotter than the outer core?

*The inner core stays solid because the pressure at Earth's center is so enormous that it squeezes the iron and nickel tightly together, preventing them from melting even at extreme temperatures.*

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2. What are convection currents, and how do they affect the crust?

*Convection currents are slow circular movements of hot rock in the mantle. They push tectonic plates on the surface, which can cause earthquakes and volcanic eruptions at plate boundaries.*

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