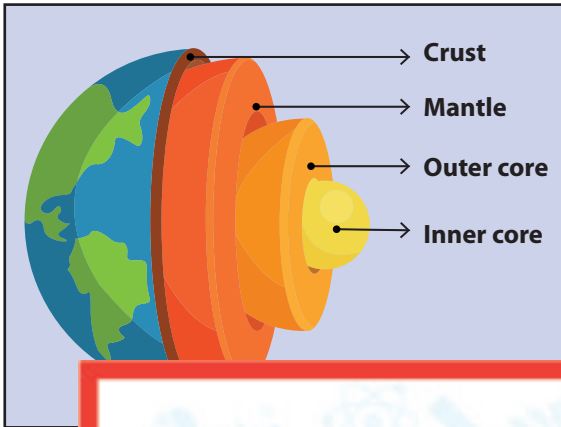


Exploring Earth's Structure



Have you ever wondered what our planet Earth is like deep beneath its surface? Earth is like a giant puzzle with different layers that scientists have been unraveling for years. Let's take a journey

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and cooler ones sink, creating currents that move the Earth's plates.

Core: The Fiery Center

At the center of Earth, there's a fiery and super-hot core. This core is split into two parts – the outer core and the inner core. The outer core is liquid metal, and its movements generate Earth's magnetic field. The inner core is even hotter and solid because of the intense pressure.

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Tectonic Plates: Earth's Moving Puzzle Pieces

Picture Earth's crust as a jigsaw puzzle made of large pieces called tectonic plates. These plates move, creating earthquakes and volcanoes and even shaping mountains. Sometimes they crash together, other times they pull apart, and

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- 1) What is the primary role of the outer core in Earth's structure?
- A) Generating the magnetic field
 - B) Producing earthquakes
 - C) Creating volcanic eruptions
 - D) Forming mountains

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- 3) D) Mantle
- 4) What movement of tectonic plates causes earthquakes and volcanic activity?
- A) Sliding against each other
 - B) Pulling apart
 - C) Colliding together
 - D) All of the above

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- 5) The inner core of Earth is primarily made up of:
- A) Liquid metal
 - B) Solid metal
 - C) Melted rock
 - D) Gaseous material

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- 8) What is the outermost layer of Earth called, and what is its similarity to Earth's surface?

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9) How does the mantle move, and what causes its currents?

10) Describe the different layers of Earth.

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11) Match the layers of Earth with their descriptions.

- | | |
|---------------|---|
| A) Crust | Generates Earth's magnetic field |
| B) Mantle | Fiery and solid due to intense pressure |
| C) Outer core | Earth's outermost layer, where we live |
| D) Inner core | Hot and thick, moves like melted cheese |

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- 13) Draw a simplified diagram of Earth's structure, including the following layers: crust, mantle, outer core, and inner core. Label each layer correctly.



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