

# Earth Layers & Plate Tectonics

"Hotter Than the Earth's Core"

## INTRO

Hey yo, you ever thought about what's beneath the Earth's surface? Wouldn't it be crazy if we could dig a hole straight through? Well I hate to break it to you, but you can't. In reality, even the deepest holes we dig are just barely scratching the surface of the Earth. But what we can do is study the layers of the Earth and talk about plate tectonics. You with me?

The Earth is made of rock, but it's not that simple,  
There's four layers to it, the inner core's in the middle.  
It's made mostly of iron, you gotta love it,  
Very hot, yet solid due to the layers above it.  
They cause pressure, keep it real solid,  
Next up, the outer core's what I call it.  
Less pressure, but real hot, so it's liquid,  
Free flowing metal, is this picture vivid?  
There's currents in the molten rock,  
After the core's the mantle, it don't stop.  
It's mostly solid with two parts, listen here,  
The asthenosphere and the mesosphere.  
The asthenosphere's a very thin layer, can you dig it? Nope!  
Very hot and nearly, but not quite, a liquid.  
That's a key fact, let me tell you why homie,  
It lets the Earth's top layers move above slowly.  
See the crust is the very top layer,  
It's part of the lithosphere, better care 'cause,  
It's broken into huge rocks called tectonic plates,  
They can shift and affect the Earth in big ways.

Follow me, you're about to learn about the Earth more,  
From the only rapper hotter than the Earth's core.  
Inner core, outer core, mantle and the crust,  
With their tectonic plates, everybody listen up. (x2)

Now that you understand the basics, let's face it,  
And talk about what happens when the plates shift.  
See beginning around 1600,  
Geographers noticed something crazy and wondered—  
Did continents from all sides of the planet  
Used to fit all together like a puzzle?

Understand it was a theory, so they studied their rocks and their fossils,  
And said there was a supercontinent that was colossal.  
Called Pangaea, one big land mass,  
Where the continents were grouped all together in the past  
Then tectonic plates caused continental drift,  
It means the continents moved when the Earth's crust shifted.  
See these plate movements cause land formations,  
And ocean floor features on Earth, it's amazing.  
Today they still move, pushing up against each other,  
Like a kid and big brother in the car on vacation.  
The borders between plates are known as faults,  
Where earthquake cause shakes, and I don't mean malts.  
Scientists use a seismograph to record the magnitude,  
It means size but I call it earthquake attitude.  
Movement at the fault? I should say so,  
Also causes deep trenches and volcanoes.  
Come to LA, I got a place you can stay,  
Just don't let the earthquakes scare you away.

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