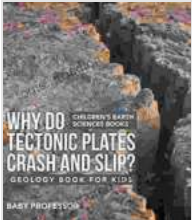


Why Do Tectonic Plates Crash and Slip? Geology for Kids and Children (Earth Sciences)



Why Do Tectonic Plates Crash and Slip? Geology Book for Kids | Children's Earth Sciences Books by Baby Professor

★ ★ ★ ★ ☆ 4.5 out of 5

Language : English

File size : 4449 KB

Screen Reader: Supported

Print length : 64 pages



The Earth's surface is made up of a series of large, moving pieces called tectonic plates. These plates are constantly shifting and colliding, which can cause earthquakes, volcanoes, and other geological events.

What are tectonic plates?

Tectonic plates are large pieces of the Earth's crust and upper mantle. They are made up of solid rock, and they move around the Earth's surface over time. Tectonic plates are driven by the movement of the Earth's interior, and they can move in any direction.

Why do tectonic plates move?

Tectonic plates move because of the convection currents in the Earth's mantle. Convection currents are caused by the heat from the Earth's core,

which causes the mantle to move. As the mantle moves, it drags the tectonic plates along with it.

What happens when tectonic plates collide?

When tectonic plates collide, one plate may be forced to move under the other plate. This is called subduction. Subduction can cause earthquakes, volcanoes, and the formation of mountain ranges.

If two plates collide head-on, they may be forced to fold and buckle. This can also cause earthquakes and mountain ranges.

If two plates slide past each other, they may create a transform boundary. Transform boundaries can cause earthquakes and other geological events.

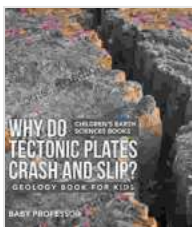
What are some of the effects of tectonic plate movement?

Tectonic plate movement can have a significant impact on the Earth's surface. These effects include:

- Earthquakes
- Volcanoes
- Mountain ranges
- Oceans
- Climate change

Tectonic plate movement is a complex and fascinating process that is constantly shaping the Earth's surface. These movements can have a

significant impact on the Earth's environment and on the lives of its inhabitants.



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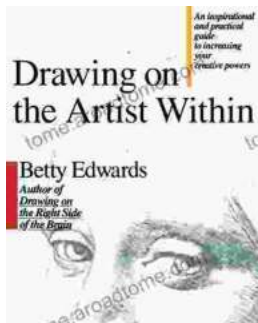
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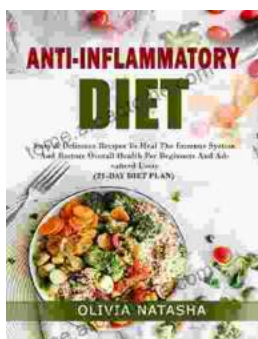
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