

Volcanoes

LO: Where does the word 'volcano' come from?



The word 'volcano' comes from the island Vulcano, which is a volcanic island near Italy. The island, in turn, gets its name from the Roman god, Vulcan.

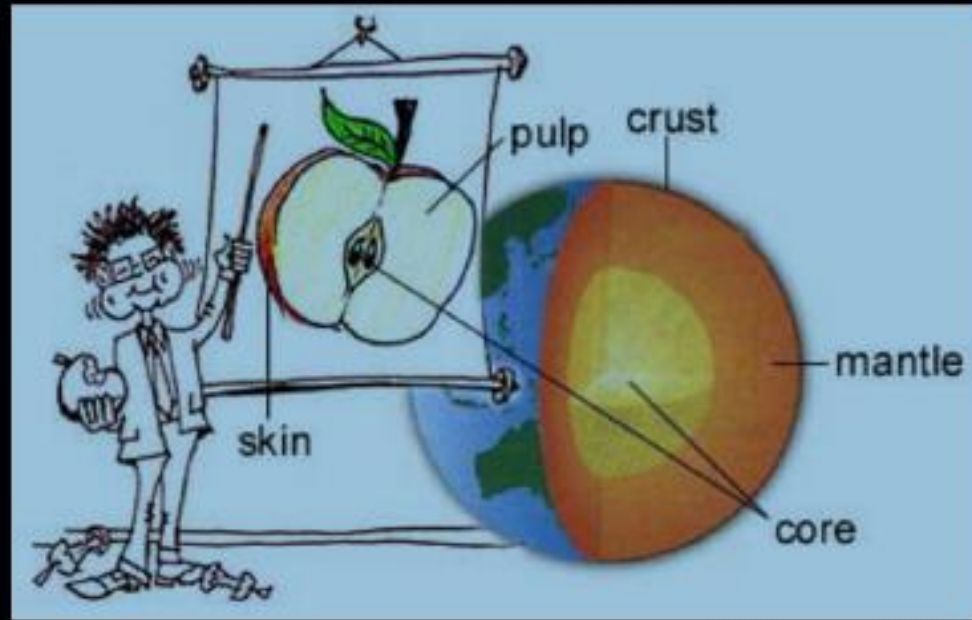
Vulcan was the god of fire and smithing. He was said to live in a volcano and made weapons and other things for the gods. He was a very skilled blacksmith. Romans believed that the volcano would erupt when he became angry!

VOLCANOES

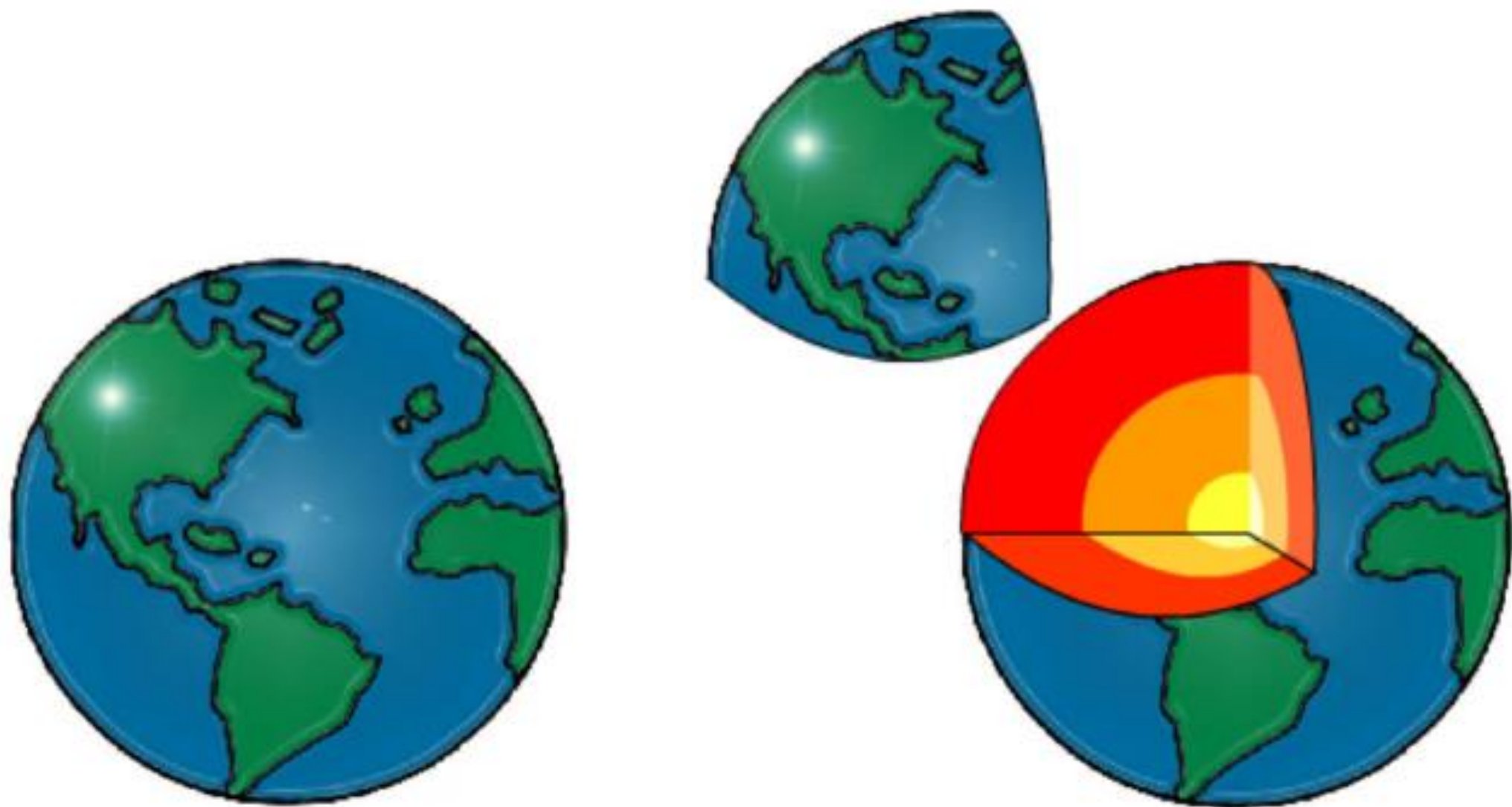


LO: What the Earth is made of

Ever wondered what our earth is made of? Think of it as an apple. An apple constitutes the skin, the pulp and the core in the middle. Similarly, the earth is made up of the thin outermost layer called the crust, the innermost part called the core, and the part in between them called the mantle.



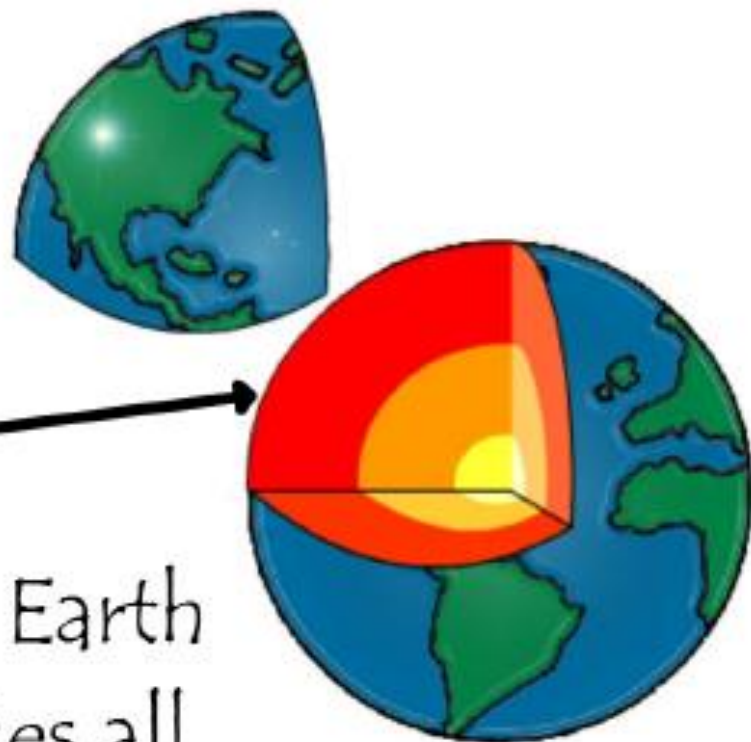
LO: What the Earth is made of



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THE CRUST

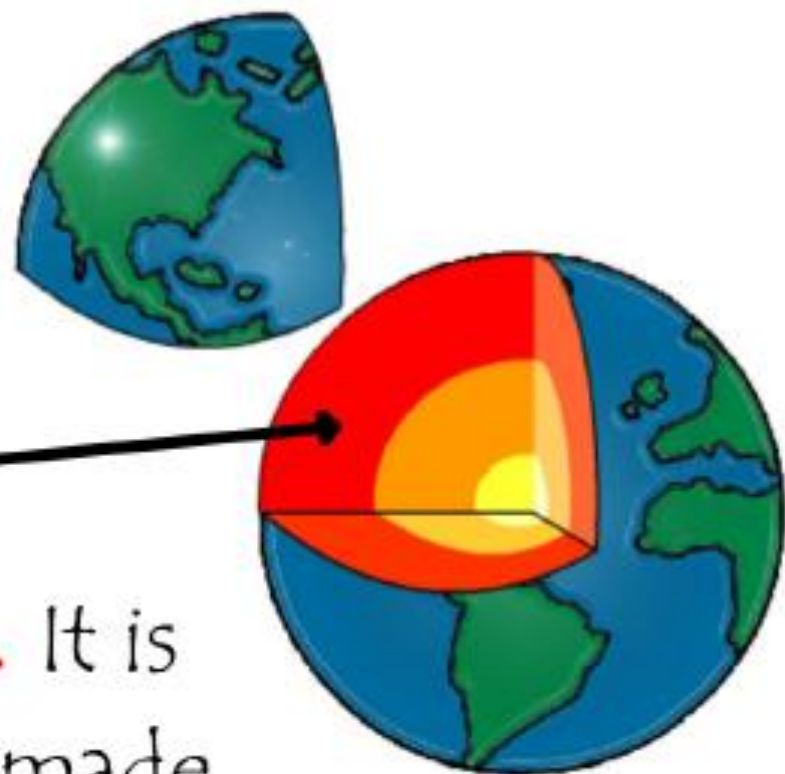
The outer most layer of the Earth is called the **crust** and includes all **continents** and the **ocean basins**. It varies in thickness from 5 – 70 km. Why do you think this is?



LO: What the Earth is made of

THE MANTLE

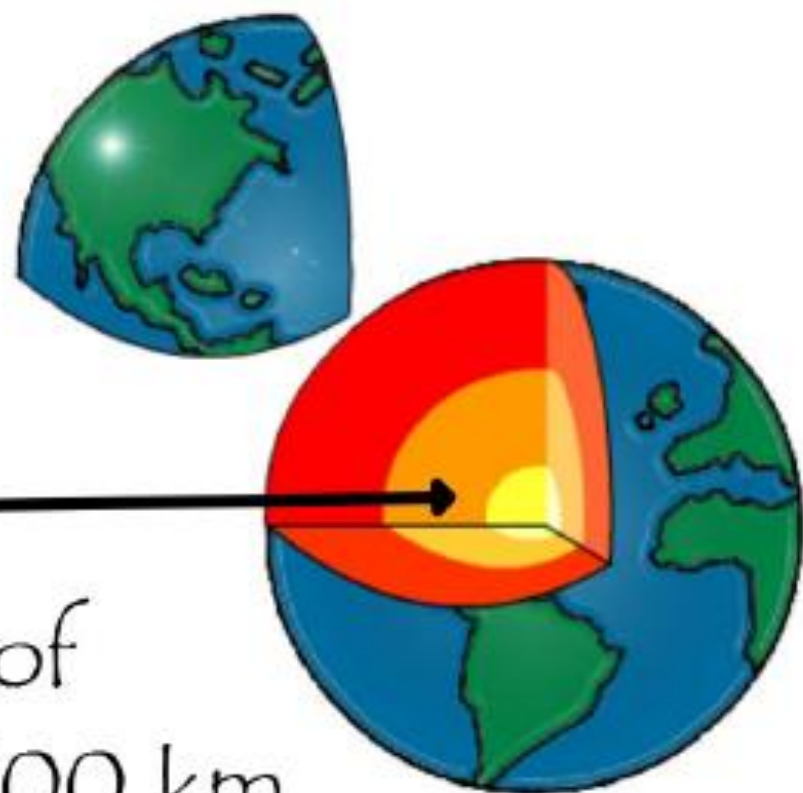
The next layer is the **mantle**. It is about 2900 km thick. It is made out of **molten rock (magma)**. This is the stuff that escapes when a **volcano erupts**.



LO: What the Earth is made of

THE OUTER CORE

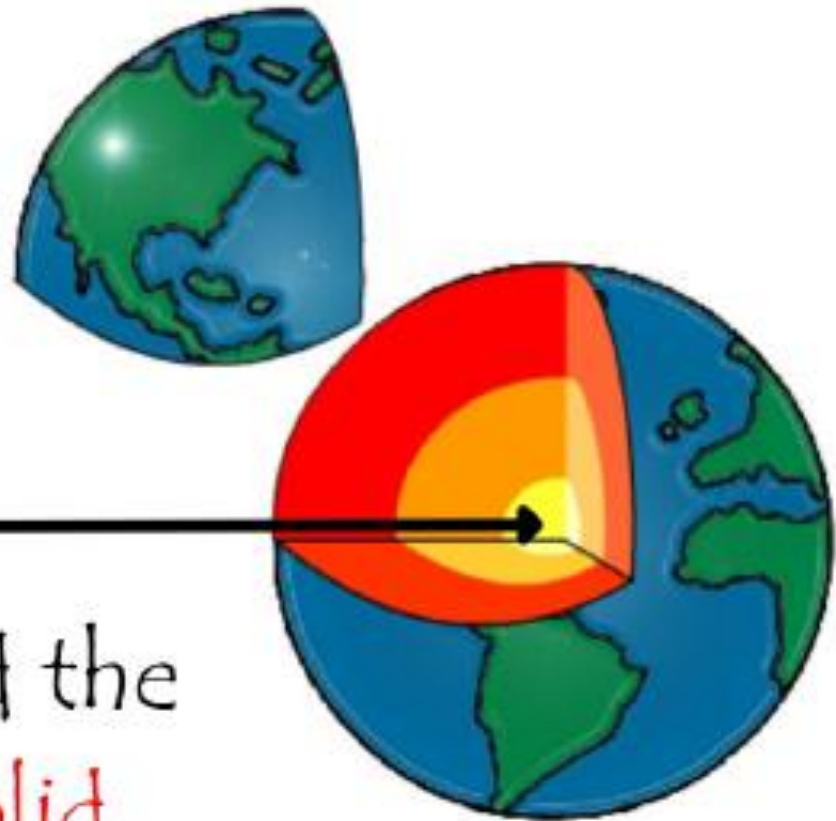
The **outer core** is made out of **liquid metal** and is about 2300 km thick. It is this **moving metal** which creates the **Earth's magnetic field**.



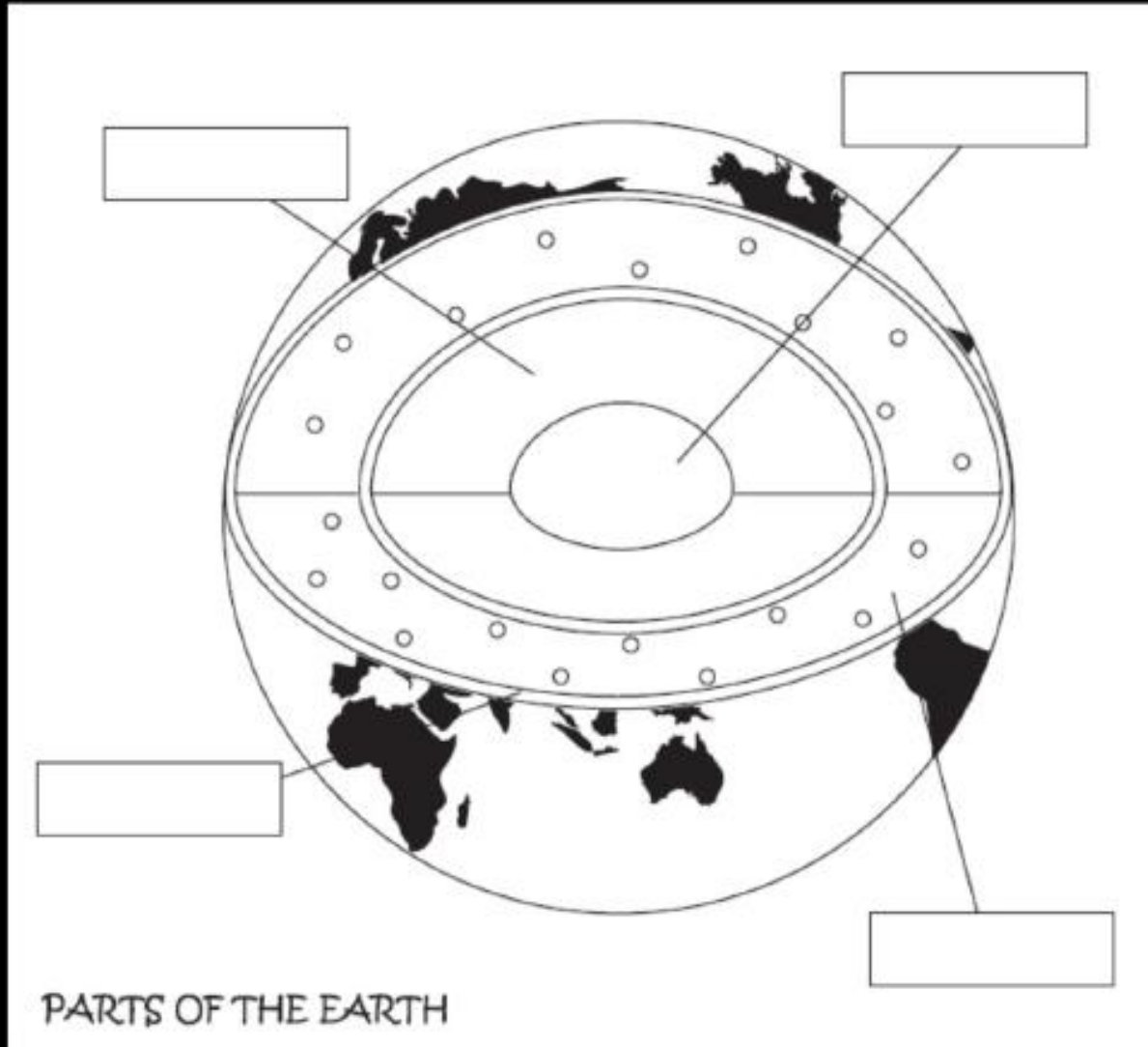
LO: What the Earth is made of

THE INNER CORE

The innermost layer is called the **inner core** and is made of **solid metal** (mostly iron). It is about 1200 km thick.



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Crust

Inner Core

Mantle

Outer Core

1. Label the different parts.

Challenge:
Write facts on each sections in your own words.

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