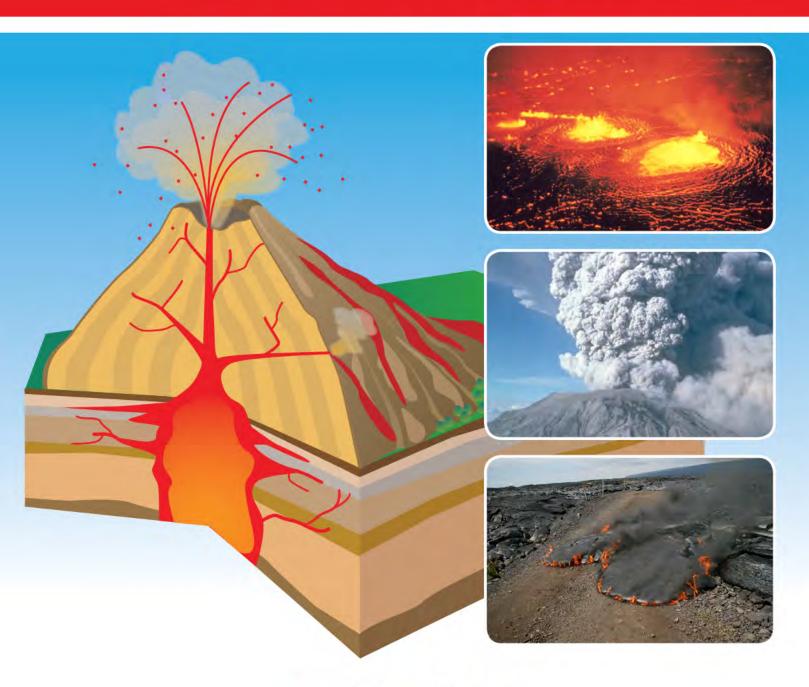
Volcanoes Learning Guide





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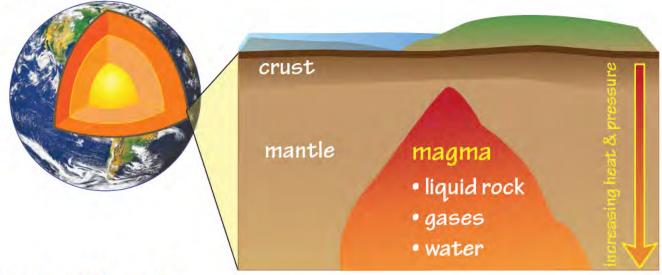
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Introduction to Volcanoes

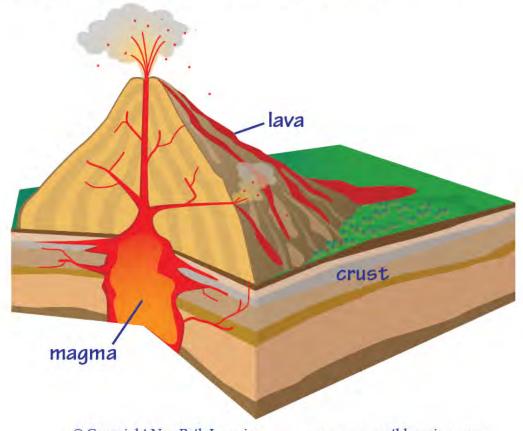
Magma Formation

Magma is a mixture of liquid rock, gases and water formed from intense heat and pressure in the Earth's mantle.



What Is a Volcano?

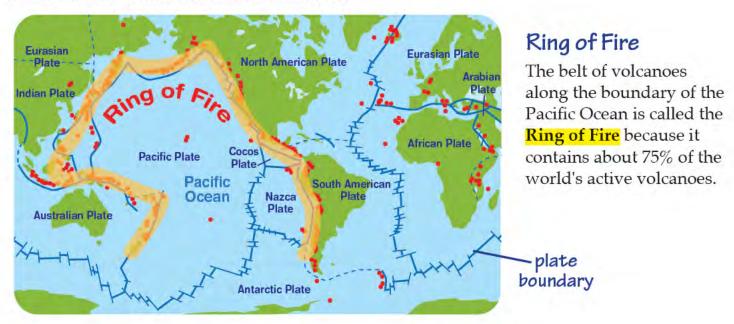
A **volcano** forms when **magma** moves through the crust and erupts onto the surface of the Earth. **Magma** that flows onto the Earth's surface is called **lava**. Layers of cooled lava harden into rock and build up on the Earth's surface around a **volcano**.





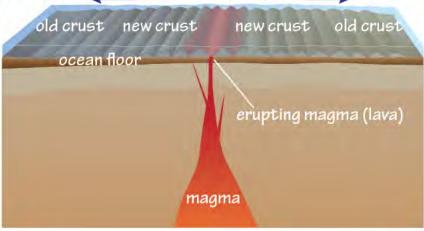
VOLCANOES AND PLATE BOUNDARIES

Most of the Earth's volcanoes are located at **tectonic plate boundaries**. These volcanoes are found on both continental and oceanic crust.

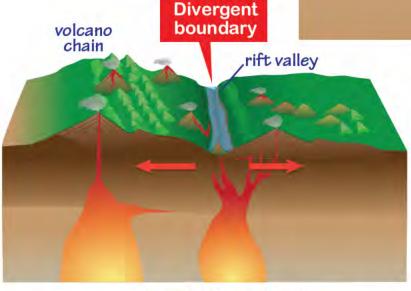


Volcanoes at Divergent Boundaries

Mid-ocean ridges form from lava pouring onto the ocean floor at divergent plate boundaries.



mid-ocean ridge



On land, divergent boundaries produce chains of active volcanoes.