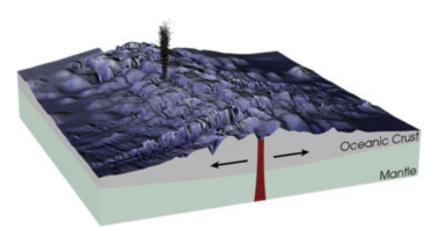
Science 8 Geological Events - Volcanoes

A volcano marks a spot in the lithosphere where magma and gases reach the Earth's surface. Once it reaches the surface, magma is referred to as ______.

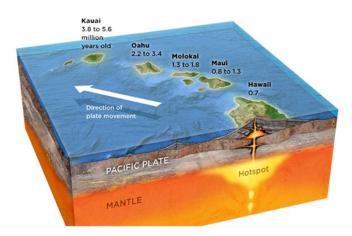
Volcanoes at Mid-Ocean Ridges

In areas of ______ oceanic-oceanic boundaries, the crust tears, relieving pressure from the mantle below, and magma extrudes to the surface



Hot Spots and Volcanic Island Chains

a chain of volcanoes stretching away from the hot spot in the direction of the plate motion. Hot spots can be found beneath the ocean or on a continent.



Volcanic Belts and Island Arcs

At a subduction zone, the ______ plate pulls trapped water down into the mantle with it. The resulting steam softens magma and moves its way upward, creating a row of volcanoes roughly parallel to the boundary. A volcanic ______ or _____ of **inland** volcanoes is created on an overriding ______, parallel to a ______ boundary. A volcanic ______, or line of volcanic **islands** is created on an

overriding oceanic plate parallel to an oceanic-oceanic boundary.

