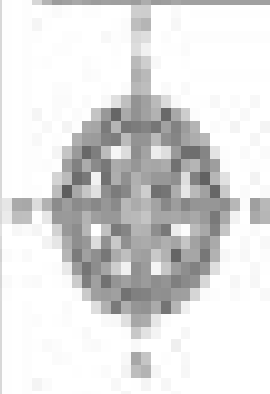


## Where Do Earth's Hot Spots Come From?



A mantle plume is a column of hot, rising mantle material. It is thought to be the source of magma for hot spots. The plume is thought to be stationary, while the tectonic plate above it moves. This creates a series of hot spots as the plate moves over the plume.

Hot spots are found in various locations around the world. Some are located on tectonic plates, while others are located in the middle of plates. The most famous hot spot is the Hawaiian Islands, which are formed by a mantle plume rising from the Pacific Ocean floor.

Hot spots are also responsible for the formation of some of the most famous volcanoes in the world, including Mount St. Helens and Mount Pinatubo. These volcanoes are formed by magma rising from the mantle plume through cracks in the tectonic plate.

Hot spots are also responsible for the formation of some of the most famous geysers in the world, including Old Faithful in Yellowstone National Park.

## Hot Spots and Plate Tectonics

Hot spots are formed by mantle plumes that rise from the mantle and create magma. This magma then rises through cracks in the tectonic plate to form volcanoes.

Hot spots can be found in various locations around the world, including the Hawaiian Islands, the Midway Seamount Chain, and the Yellowstone Hot Spot.

Hot spots are also responsible for the formation of some of the most famous volcanoes in the world, including Mount St. Helens and Mount Pinatubo.

Hot spots are also responsible for the formation of some of the most famous geysers in the world, including Old Faithful in Yellowstone National Park.

Hot spots are also responsible for the formation of some of the most famous lakes in the world, including Crater Lake in Oregon.

Hot spots are also responsible for the formation of some of the most famous mountains in the world, including Mount Fuji in Japan.

Hot spots are also responsible for the formation of some of the most famous rivers in the world, including the Colorado River in the United States.

Hot spots are also responsible for the formation of some of the most famous cities in the world, including Honolulu in Hawaii.

Hot spots are also responsible for the formation of some of the most famous islands in the world, including the Hawaiian Islands.