Are you smarter than a volcano?

Myth vs. Reality about volcanoes in Hawai'i

1.Kīlauea is the only active volcano on the Island of Hawai'i

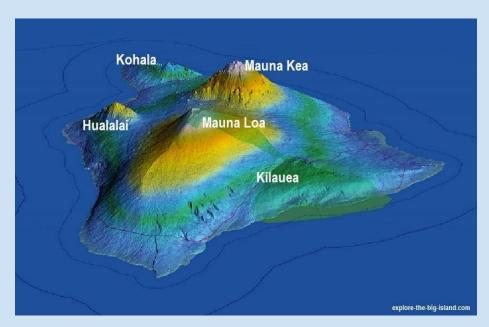


Photo by Explore The Big Island

There are five volcanoes on the Island of Hawai'i. Four of them are considered active: Kīlauea, Mauna Kea, Mauna Loa, and Hualālai.

2. Kīlauea was an inactive volcano until the 2018 eruption

Kīlauea has periodically erupted throughout history. It erupted nearly continuously between January 1983 and August 2018.

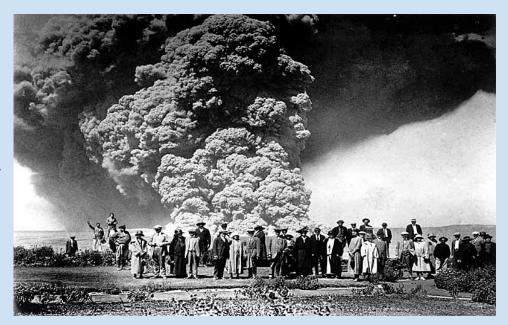
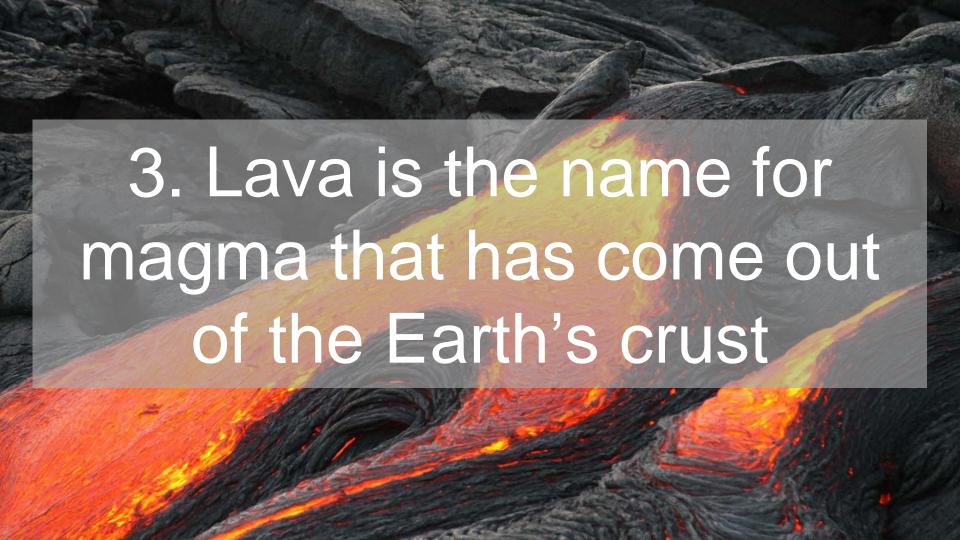


Photo by Geology in Motion



Lava is what we call magma after it has come out of the Earth's crust.

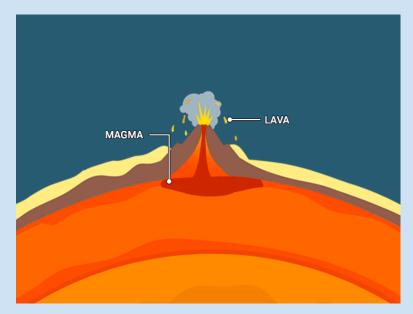


Photo by Earth How, 2017



Hot Spots Hot Spot Pacific Plate Convection Currents Mantle Plume **Outer Core**

Photo by Stephen R. Mattox

False!

Not all volcanoes form in the same way. Volcanoes in Hawai'i erupt from a hot spot in the Earth's mantle.

5. Hawai'i is located on the Pacific Ring of Fire

The Pacific Ring of Fire is a zone of many volcanoes that borders most of the Pacific Ocean, but does not include Hawai'i. Hawai'i is on a hot spot.

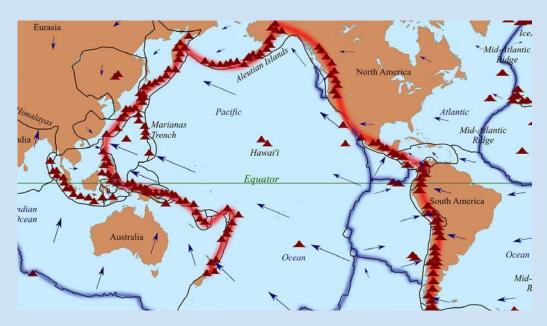


Photo by Global Geopolitics, 2018, Astroskiandhike via Creative Commons 4.0

6. The world's largest volcano is on the Island of Hawai'i

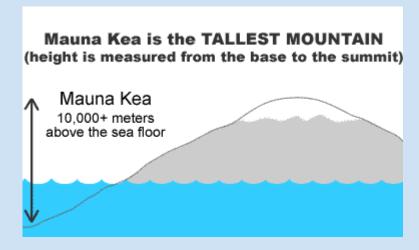


Photo by Geology.com

In fact, two of the world's largest volcanoes are located on the Island of Hawaiii. Mauna Loa is the most massive in volume. Mauna Kea is the world's tallest from ocean floor to its highest elevation.



While the 2018 eruption events affected many sites on the Island of Hawai'i, it is safe to visit Hawai'i Volcanoes National Park. Visit the park website at

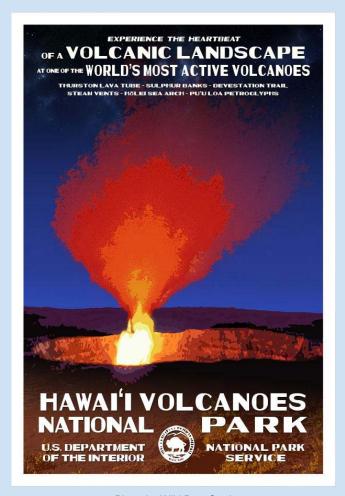
www.nps.gov/hawaiivolcanoes for the most up-to-date safety precautions.



Photo by NPS, Jessica Ferracane

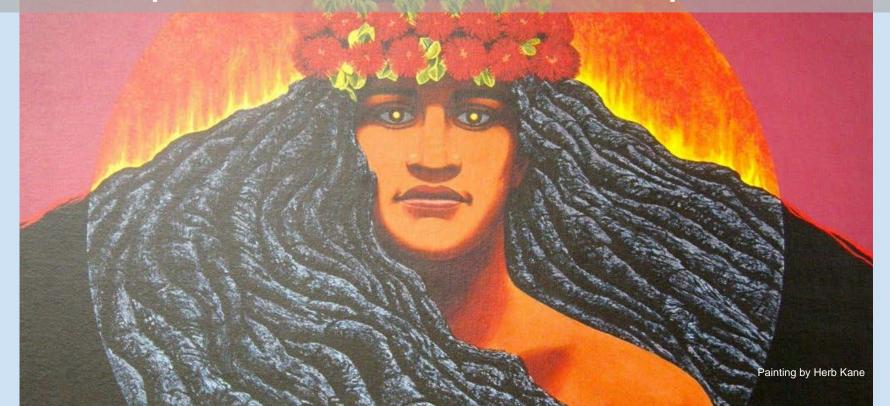
8. Hawai'i Volcanoes became a national park in the last 50 years





Hawai'i Volcanoes became a national park on August 1, 1916. That makes it over 100 years old!

9. In Hawaiian culture, Pele is the goddess responsible for volcanic eruptions.



In traditional Hawaiian culture, Pele is the goddess of volcanoes. She makes her home in Halema'uma'u crater at the summit of Kīlauea volcano.



Hawai'i Volcanoes National Park was selected as a UNESCO (United Nations Educational, Scientific and Cultural Organization) World Heritage Site in 1987.



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