

Volcanism: Definition

From the University of California Museum of Paleontology:

Volcanism is the eruption of molten rock from inside the Earth to the surface. Volcanism occurs because of Earth's internal heat, and is associated with tectonic processes and a part of the rock cycle. Volcanic eruptions occur when molten lava reaches the surface of the Earth. [1]

Volcanism

Countries with Active Volcanos

- Iceland
- Chile
- Japan
- Indonesia

Iceland: Grímsvötn

Grímsvötn is a complex volcanic system that is governed by both geothermal heat from below and the ice of the overlying glacier. [2]



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Volcanos can influence our environment by changing: [1]

1. Levels of airborne particles which reflect sunlight and thus heat
2. Concentration of greenhouse gases in the atmosphere like methane
3. Distribution of land and people

Scientists race to rare volcanic eruption in Icelan...



Citations

[1] “Volcanism.” Understanding Global Change, University of California Museum of Paleontology, 11 Sept. 2020, <https://ugc.berkeley.edu/background-content/volcanism/>.

[2] Sara Klaasen, Sölvi Thrastarson. “Sensing Iceland's Most Active Volcano with a ‘Buried Hair.’” Eos, American Geophysical Union, 4 Jan. 2022, <https://eos.org/science-updates/sensing-icelands-most-active-volcano-with-a-buried-hair>.