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

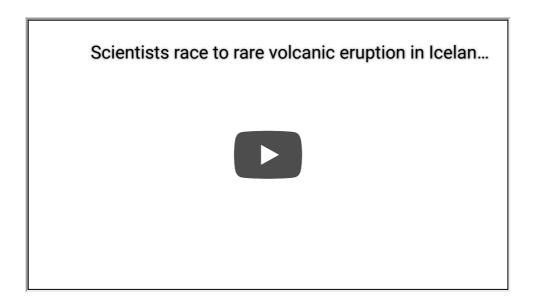
Grímsvötn is a complex volcanic system that is governed by both geothermal heat from below and the ice of the overlying glacier. [2]



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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



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.