

Eruptions in Kilauea Volcano

Source: USGS

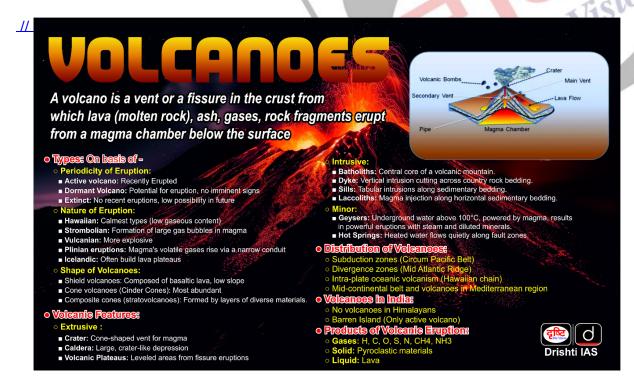
Hawaii's Kilauea Volcano, one of the world's most active, has started erupting once again.

Kilauea Volcano:

- It is situated in Hawaii Volcanoes National Park in Hawaii Island, USA.
- It is the youngest and most active Hawaiian <u>Shield Volcano</u>, renowned for frequent eruptions, with more than 30 times eruptions since 1952,
- Kilauea's slopes merge with those of <u>Mauna Loa</u>, another active volcano, to its west and north.

Volcano:

- A <u>volcano</u> is an **opening on the surface** that allows material warmer than its surroundings to escape from its interior.
- Volcanoes in India: Barren Island (Andaman Islands), India's only active volcano.



The Bad Causes respiratory problems Triggers lightning **H2O (water vapour)** Largest contributor to greenhouse **Volcano** gas effect on earth CO2 (carbon dioxide) Toxic in large amounts > 10% **Facts** Contributes to global warming **SO2**(sulfur dioxide) Dissolves in water vapour to form damaging acid rain H2S (hydrogen sulfide) Highly toxic gas that smells like rotten eggs People killed in the deadliest volcano in 92,000 The Good Indonesia in 1815 Source of materials Metals, precious gems, and Volcanoes are erupting construction material 20 right Now **Power Generation** • Geothermal and hydroelectric **Supervolcanoes** opportunities can plunge the world into an ice age Rich volcanic soils • Yay coffee! The best coffee grows in volcanic soils Krakatoa eruption ruptured eardrums 50 KM radius \$2.2 Billion worth of 2X more ash by weight erupted from Mt. St Helens (USA) in 1980 than electrical energy wasted by Krakatoa garbage the entire US produces in 1 volcano in 1883, Indonesia year

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