

## Ol Doinyo Lengai Volcano

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### About Ol Doinyo Lengai Volcano:

- **Location:** It is located in **northern Tanzania**, at the **southern end** of **Lake Natron**.
- It is known to the local **Maasai** people as the “**Mountain of God**”.
- It is an active **stratovolcano** with unique geological characteristics.
- It rises to an elevation of 9,442 feet (2,878 metres) and is one of the many volcanoes situated **along the East African Rift System**.
- It **contains basalts** rich in sodium and potassium, and is so alkaline that its lavas resemble washing soda.
- The volcano has **more than one active centre** and most of the recent eruptions were from its northern crater.
- **Why is it a rare volcano?** This volcano is the **only one existing on Earth** which has an **actively erupting** and extremely **runny carbonatite magma**. The magma is saturated with alkali elements, like calcium and sodium and is poor in silica.

### Details of the study

- As per the new study, the crater’s **upper slopes have started sinking** since 2013 and the likely cause for this sinking volcano was the **deflating magma reservoir**, which is located 3,300 feet (1,000 m) under the

volcano.

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## Q1: What is a Stratovolcano?

The stratovolcano is a tall, steep, and cone-shaped type of volcano. Unlike flat shield volcanoes like in Hawaii, they have higher peaks. At the peak, stratovolcanoes usually have a small crater.

**Source:** This volcano, with continuous eruption of magma, is sinking inside Earth. Here's why

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Source: <https://vajiramandravi.com/current-affairs/ol-doinyo-lengai-volcano/>

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