

Volcano Card Sort Data



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Image Credit: © A.Savin, Wikimedia Commons

Name: Erta Ale

Location: Afar Region, Ethiopia

Data:

- The name means “smoking mountain” in the local Afar language.
- It has almost continuously had a **lava lake**, which sometimes overflows on the south side of the volcano.
- A major **eruption** in 2005 killed 250 livestock and caused many people to flee.
- Another eruption occurred in 2017.
- **Fissure** eruptions have occurred recently on the volcano’s flanks.
- It has a very broad shape—it is about 600 m tall and 50 km wide.



Name: Stromboli

Location: Mediterranean Sea north of Sicily, Italy

Data:

- It has been in almost continuous **eruption** for the past 2,000 years. The most recent eruption was in 2013–2014.
- **Explosive eruptions** occur at the summit **crater**.
- It forms an island 2 km wide. Its base begins over 1,000 m below the sea and rises over 900 m above sea level.
- The name of the volcano comes from the term *Strombolian eruptions*, which are short, quick blasts of lava.





Image Credit: NASA

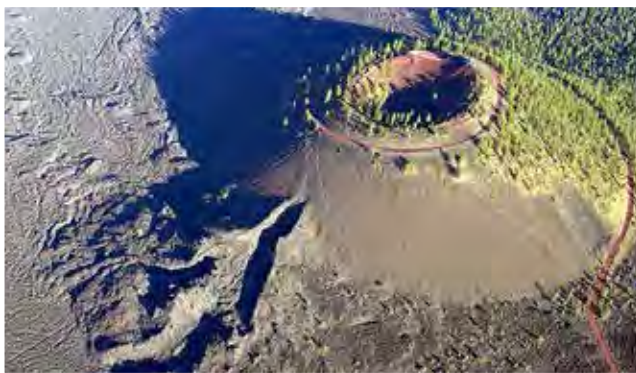


Name: La Cumbre (Fernandina Island)

Location: Galápagos Islands, Ecuador

Data:

- It has been erupting since 2009.
- **Effusive eruptions** occur from the summit **caldera** area and from **fissures** along the flanks. Lava flows reach the ocean.
- **Explosive eruptions** have also occurred, causing the **caldera** floor to collapse.
- It forms an island 6.5 km wide and rises nearly 1,500 m from the ocean surface.



Name: Lava Butte

Location: Oregon, United States

Data:

- It has erupted only once, about 7,000 years ago.
- The eruption spewed hot ash and cinder to form the cone shape.
- It is part of the larger Newberry Volcano (a shield volcano).
- It stands about 155 m tall, with a summit **crater** from 20 m to 50 m deep.





Name: Ngauruhoe

Location: North Island, New Zealand

Data:

- It is the highest peak in a group of volcanoes called Tongariro volcanic complex.
- It first erupted about 2,500 years ago.
- **Explosive eruptions** and lava flows have occurred several dozen times since the 1800s. The most recent eruption was in 1977.
- Fun fact: It was used to portray Mount Doom in the *Lord of the Rings* movies.



Image Credit: U.S. Geological Survey



Name: Kīlauea

Location: Island of Hawai'i, United States

Data:

- It has had ongoing **effusive eruptions** since 1983.
- **Lava flows** have covered hundreds of square kilometers and added new land to the coastline of Hawai'i.
- It has a **summit caldera** that contains a **crater** with a **lava lake**.
- It has two **rift zones** (East Rift Zone and Southwest Rift Zone) between the summit and the ocean.
- It is considered to be the home of the goddess Pele from Hawaiian legends.





Name: Mount Edgecumbe

Location: Alaska, United States

Data:

- It last erupted around 2200 BC.
- A series of **explosive eruptions** occurred about 9,000–13,000 years ago.
- It stands 970 m tall, with a well-defined **crater**.



Name: Mount Shari

Location: Hokkaido, Japan

Data:

- It was last active about 300,000 years ago.
- It is formed of alternate layers of hardened lava and ash.
- It stands 1,070 m tall.
- It is one of Japan's 100 most famous mountains.





Name: Mauna Kea

Location: Island of Hawai'i, United States

Data:

- The last **eruption** was around 4,500 years ago.
- **Effusive eruptions** from this and nearby volcanoes have built up the island of Hawai'i over many years.
- It rises 4,207 m and spreads broadly at its base.
- It may reawaken; its history shows long breaks in activity between past eruptions.
- Scientists built an observatory at the summit.

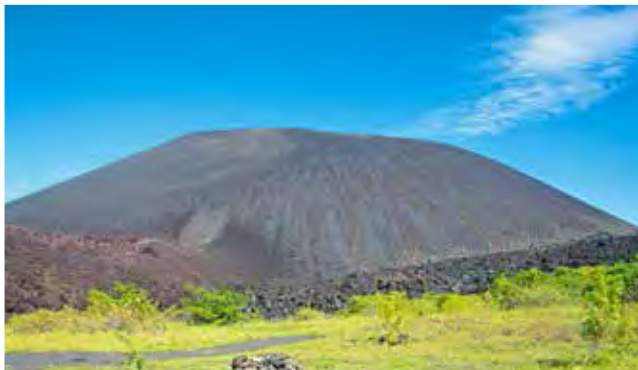


Name: Gunung Agung

Location: Bali, Indonesia

Data:

- It **erupted** in 2017 and it still erupting as of August, 2018.
- **Explosive eruptions** send up huge ash clouds.
- Thousands of people fled the area and flights were suspended.
- It rises over 3,000 m high and forms the tallest peak on the island of Bali.
- It is the site of an important temple for the Balinese people.



Name: Cerro Negro

Location: León, Nicaragua

Data:

- It is one of the youngest volcanoes in Central America.
- It first appeared in 1850.
- **Explosive eruptions** of ash and volcanic debris have occurred every few years to every few decades.
- Falling ash sometimes damages towns and crop fields nearby.
- Frequent eruptions have changed the volcano's shape and size.

	Composite	Shield	Cinder Cone
Active			
Dormant			
Extinct			

