

### What Are the Different Parts of a Volcano?

A cloud of ash. It is formed by volcanic explosions

ash cloud

vent

the Earth through which leanic materials, such as magma, can escape.

conduit

An underground passage which magma travels through.

A large underground pool of liquid rock found beneath the surface of the Earth.

The mouth of a volcano. It surrounds the vent.

crater

throat

The entrance of a volcano. It ejects lava and volcanic ash.

Magma chamber

### Where Are Most Volcanoes Located?



## **How Many Volcanoes Are There?**

There are more than 1500 active volcanoes on Earth. There are also more than 80 volcanoes under the ocean, although these are just the ones that have been discovered.



### **More Volcano Facts**

# What is the difference between magma and lava?

Magma is liquid rock inside a volcano. Lava is the name for liquid rock that has flowed out of a volcano. Lava takes a long time to cool down as it is not a good **heat conductor**. As a lava flow cools down, it gets slower and thicker.

**Heat Conductor:** something which can transfer heat from one object to another.

#### What is a 'pyroclastic flow'?

This is the most deadly of all volcano activities.

It is a liquidised mixture of solid and part-solid fragments and hot, expanding gases.

They look like a snow avalanche but are extremely hot and contain poisonous gases. They move at the speed of a hurricane.



## What Is the Largest Active Volcano?



The largest, active volcano in the world is Mauna Loa in Hawaii. It is 13,677 feet above sea level. From its base below sea level to its summit, Mauna Loa is taller than Mount Everest.

### **Are There Volcanoes on Other Planets?**

Earth is not the only planet to have volcanoes, although most of the volcanoes on other planets are now extinct.

Mercury used to have volcanoes but when the planet's interior cooled down, the volcanoes died. Mars has the largest known volcano called Olympus Mons. It is no longer active and will probably never erupt again.











