

Geography Lesson

Year 3

Write your date and title into your exercise book.

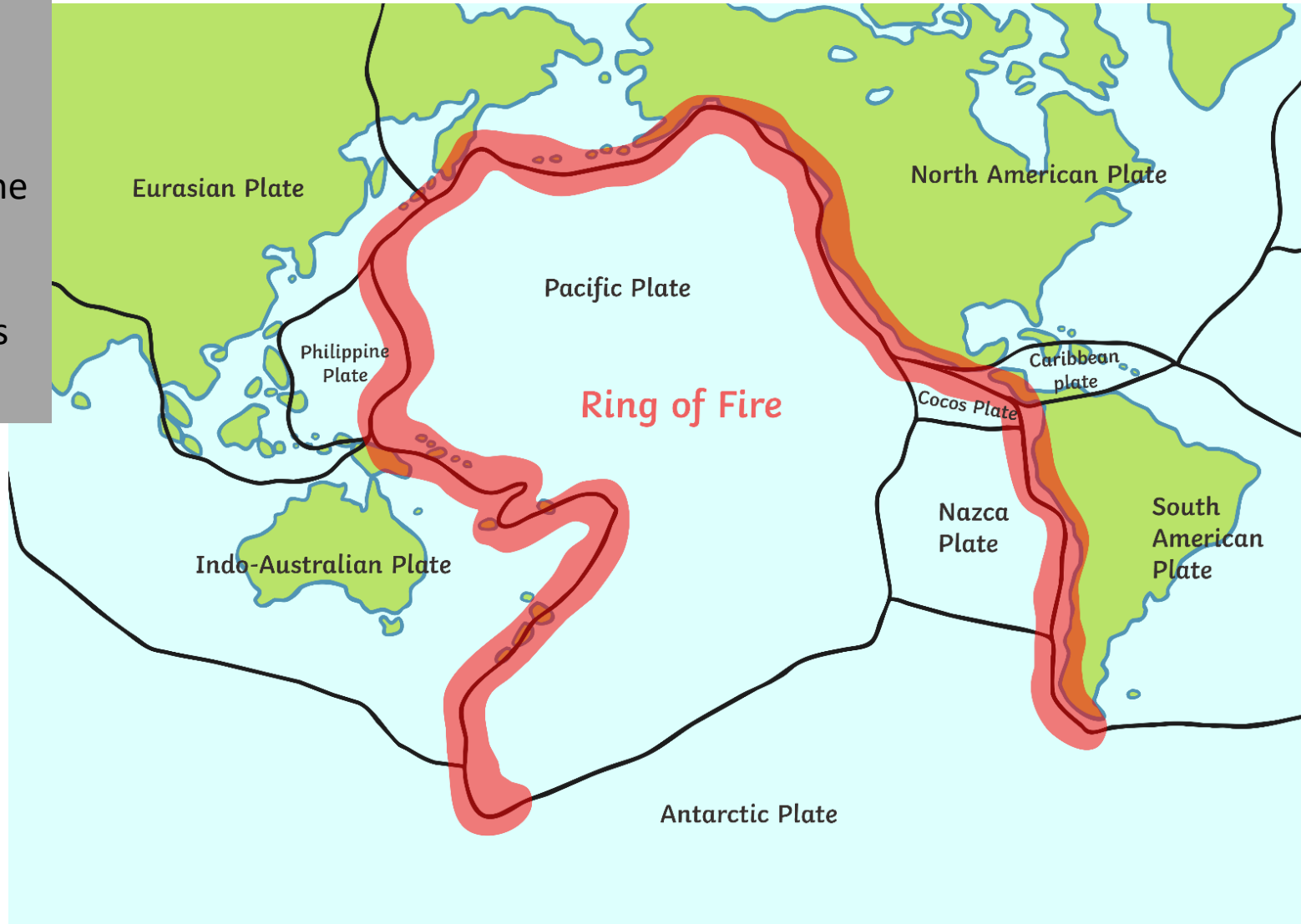
Wednesday 3rd March

Can I locate famous volcanoes on a world map?

Can I research famous volcanoes on the internet?

Where Are Most Volcanoes Located?

The 'Ring of Fire' is an area of the Pacific Ocean that is shaped like a horseshoe. It is home to 90% of the world's earthquakes and 75% of the world's volcanoes.



It contains a string of 452 volcanoes, which stretches from the southern tip of South America, up along the coast of North America, down through Japan, and into New Zealand.

The Three Stages of Volcanoes

Scientists have placed volcanoes in to three different categories.

Active

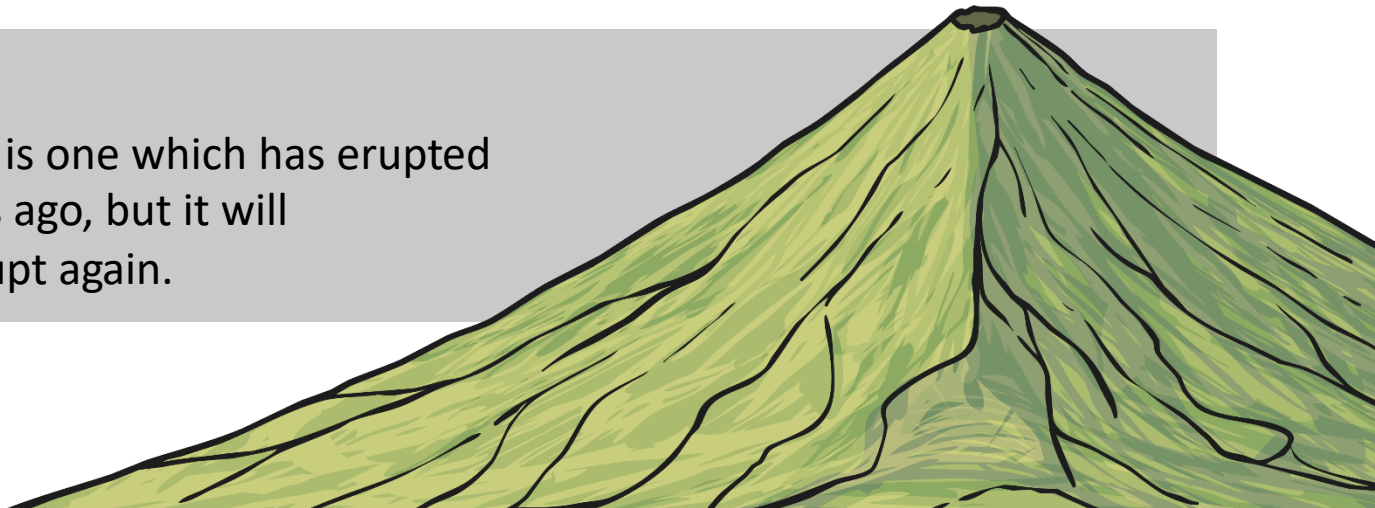
An active volcano is one that has erupted recently, and there is the possibility that it may erupt again.

Dormant

A dormant volcano is one that has not erupted for a long time, however, it may still erupt in the future.

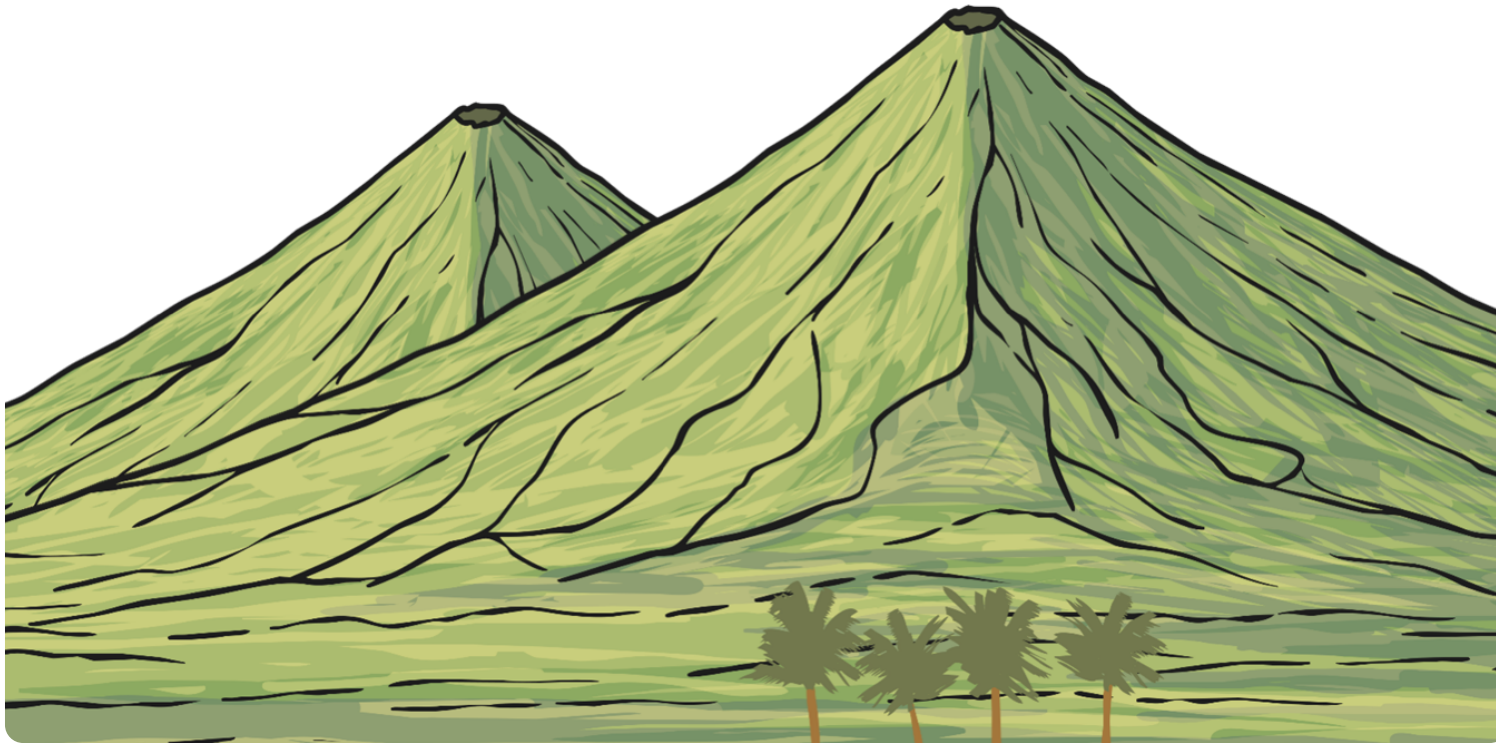
Extinct

An extinct volcano is one which has erupted thousands of years ago, but it will probably never erupt again.



How Many Volcanoes Are There?

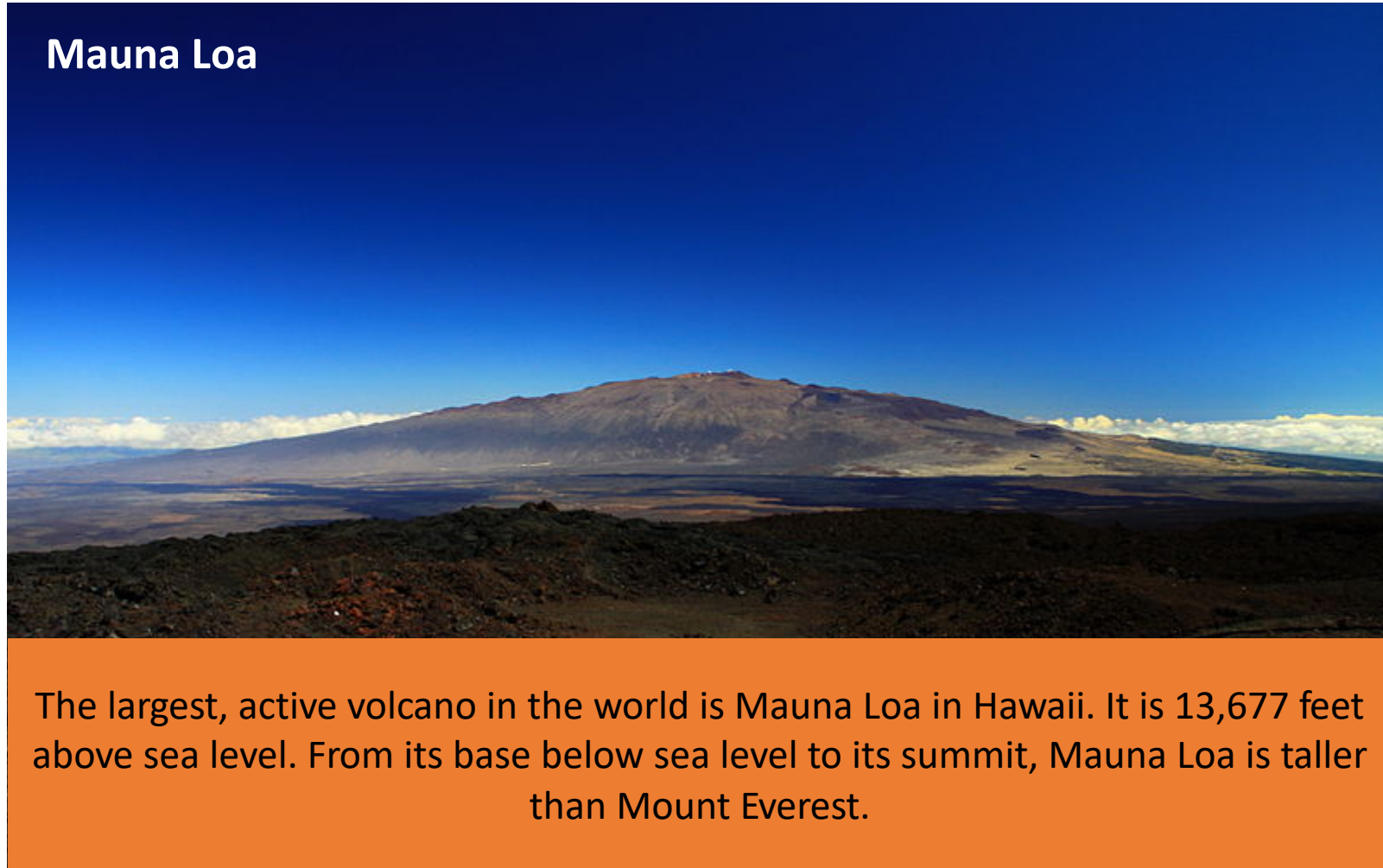
There are more than 1500 active volcanoes on Earth. There are also more than 80 volcanoes under the ocean, although these are just the ones that have been discovered.



Click on this link to find out about the top 10 largest volcanoes in the world. Remember to get permission first!

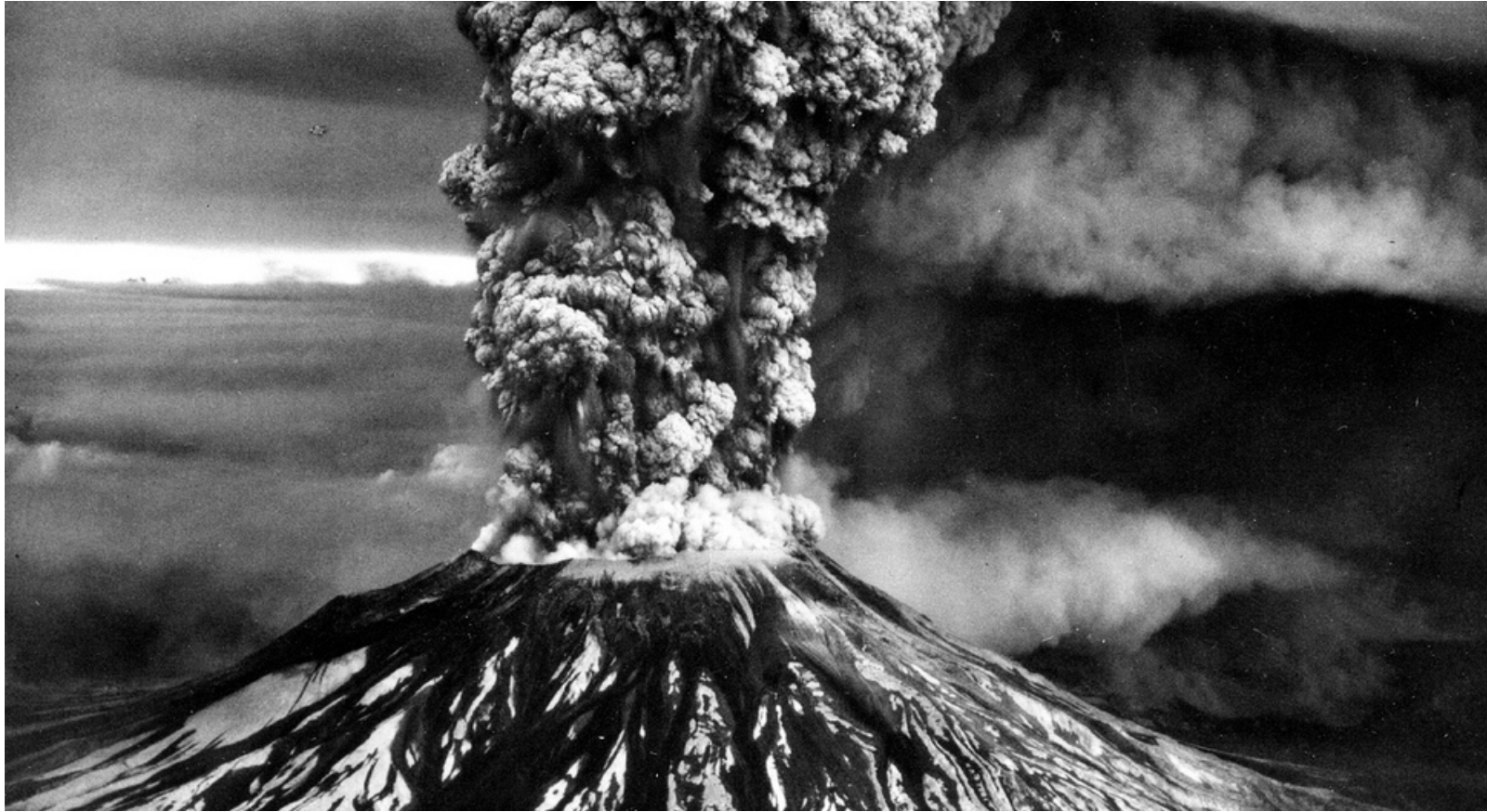
<https://www.arcgis.com/apps/MapTour/index.html?appid=d9eabc7a3c64462bb964d1d4bbd765de>

What Is the Largest Active Volcano?



Volcanoes of the World

Mount St Helens



Mount St Helens is an active volcano located in Washington, USA in the Cascade Mountain Range.

On 18th May 1980, it erupted and killed 57 people and destroyed lots of roads and homes.

This was the first time pyroclastic flows (the clouds of hot gas, ash and rock) were studied using new scientific techniques.

Mount St Helens is still active, and is monitored closely by geologists to predict if it will erupt again.

An earthquake triggered a landslide, which caused a sideways blast, sending clouds of ash, gas and rock speeding away from the volcano.

Volcanoes of the World

Mount Vesuvius, Naples, Italy

Mount Vesuvius has a very famous history. Its base is 30 miles wide and it is estimated to be around 17,000 years old.



In 79AD, Vesuvius erupted for a whole day. Thousands of people were killed, and the city of Pompeii was buried.

In 1995, Vesuvius was made a National Park. Visitors can climb the mountain.

Vesuvius has erupted over 50 times in the last 200 years. The last time was in 1944 during the Second World War.

Over the years, archaeologists have found bodies preserved by the ash from the volcano along with other items, such as heating stoves and cooking utensils.

Volcanoes of the World

Mount Fuji, Japan

Mount Fuji is the highest mountain in Japan. It is 3776m high. It is on the island of Honshu, about 100km from Tokyo.



Over 100,000 people climb Mount Fuji every year. It is the most climbed mountain in the world.

A forest named Aokigahara lies at the foot of the mountain and is said to be haunted by ghosts and goblins.

The volcano is actually three separate volcanoes piled one on top of the other with Fuji at the top.

Mount Fuji last erupted in 1708. It has become a symbol of the country and is featured in lots of paintings.

Volcanoes of the World

Popocatépetl, Mexico

Until it erupted in 1994, Popocatépetl was dormant for 50 years.



It is nicknamed 'El Popo'. It has erupted several times since 1994.

Flights over Mexico have been cancelled several times due to ash and steam being produced by the volcano.

It is considered one of the world's most dangerous volcanoes. It last erupted in January 2020.

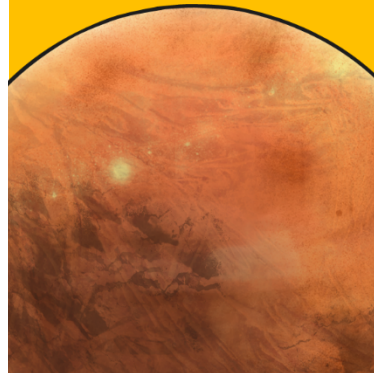
Are There Volcanoes on Other Planets?

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.



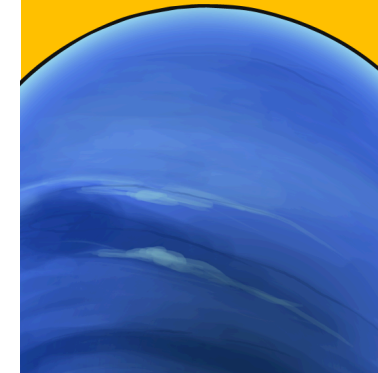
Mars has the largest known volcano called Olympus Mons. It is no longer active and will probably never erupt again.



Io is one of Jupiter's moons and has several active volcanoes.



Triton is Neptune's largest moon. Instead of lava, the volcanoes on Triton actually release ice.



Task 1:

Locate the following volcanoes on this world map.

Use the symbol shown in the key below to show where they are.

Write their name neatly next to the volcano symbol.

1. Mount Etna (Italy)
2. Mount Krakatoa (Indonesia)
3. Mount St Helens (USA)
4. Mauna Loa (Hawaii)
5. Mount Paracutin (Mexico)
6. Mount Surtsey (Iceland)
7. Mount Pinatubo (Philippines)
8. Mount Cotopaxi (Ecuador)

Key



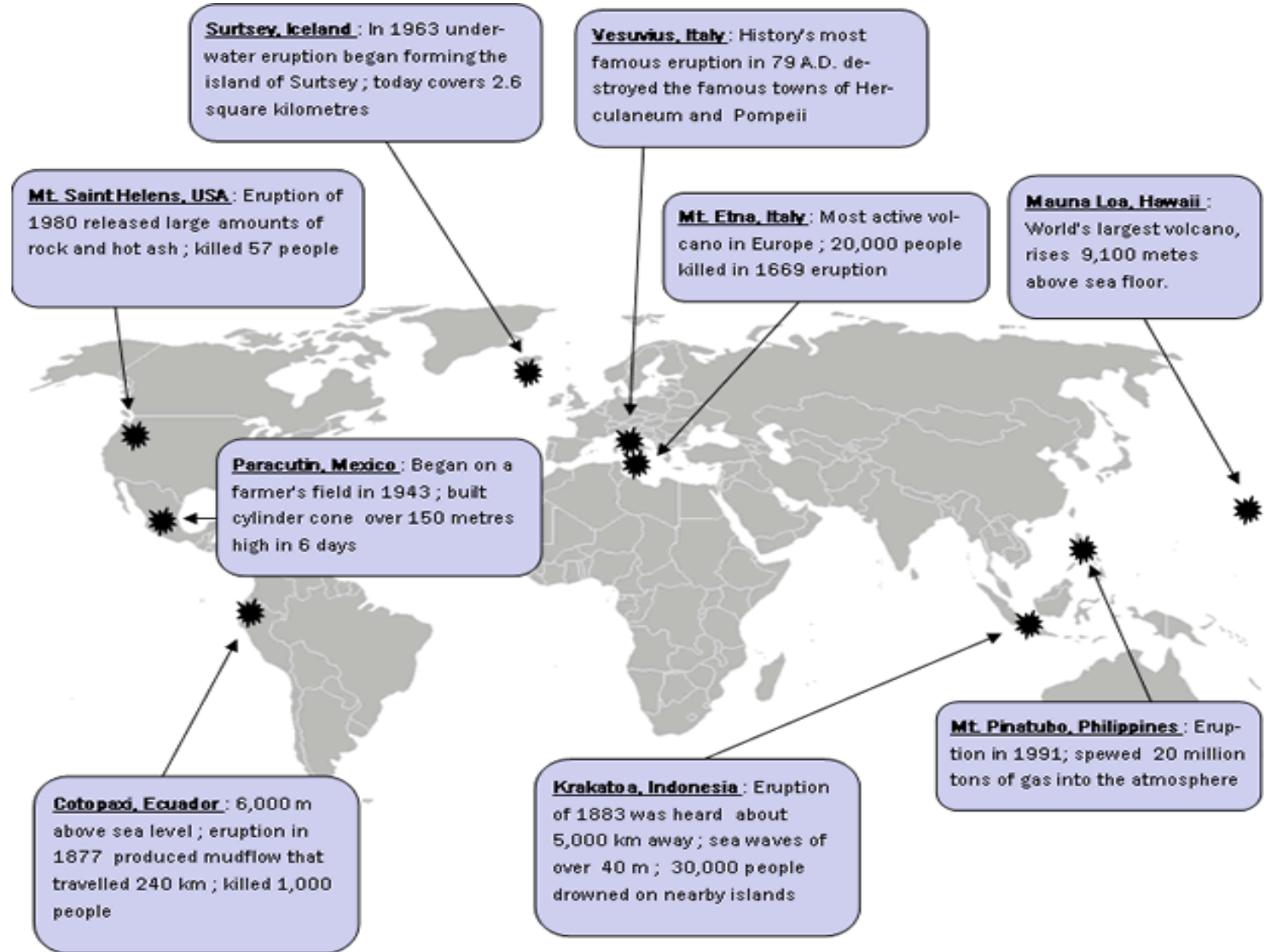
= Volcano



Answers!

Map of Famous Volcanoes

These are some famous volcanoes around the world.



Choose a Volcano to research:

Task 2 – Research and write about 3 famous volcanoes

1. Pick 3 volcanoes. (They can be ones mentioned on this powerpoint, or ones you have found about yourself.)
2. Research them on the internet or in an information book or an encyclopaedia.
3. Write a paragraph about each one. You can draw a picture of it too.

Here are some website links to help you.

Remember to ask a parent first!

Mount Etna (Italy) - <https://geology.com/volcanoes/etna/>

Mount St Helens (USA) - <https://geology.com/usgs/mount-st-helens/>

Mount Vesuvius (Italy) - <https://geology.com/volcanoes/vesuvius/>

Mount Santa Maria (Guatemala) - <https://geology.com/volcanoes/santa-maria/>

Mount Rainier (USA) - <https://geology.com/usgs/rainier/>

Mount Chaiten (Chile) - <https://geology.com/volcanoes/chaiten/>

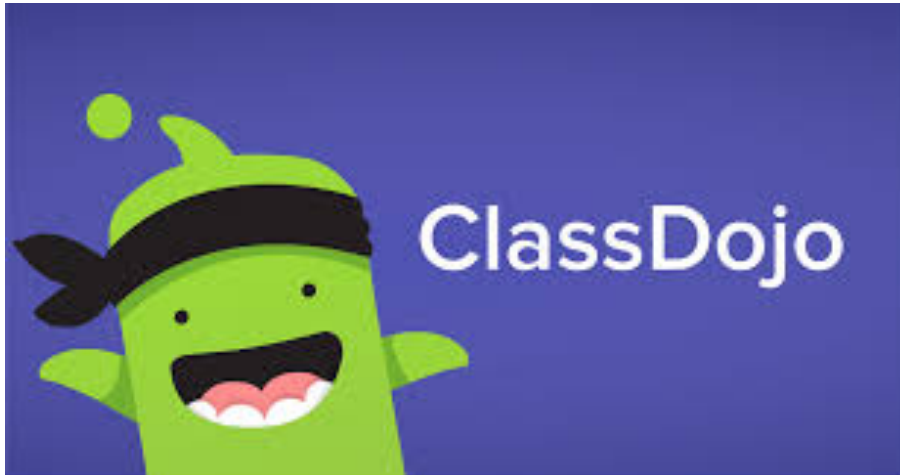
Tamu Massif (An under water volcano) - <https://geology.com/records/largest-volcano/>

Olympus Mons (A volcano on the planet Mars)- <https://geology.com/articles/highest-point-on-mars.shtml>



How did you do?

I can't wait to look at your work.



Don't forget to put your
finished work on Class
Dojo!