

# Volcanoes from around the world

*Come and read about incredible volcanoes located all around the world. Have you ever seen a volcano in real life?*

A **volcano** is an opening in the **Earth's crust** that allows magma, hot ash and gases to escape. Volcanoes can look like mountains or small hills, depending on what type they are. **Magma** is molten rock – this means hot rock that has turned into liquid. Lava is magma that has reached Earth's surface. Gases and ash can also be released onto Earth's surface during an eruption.

## Mount Saint Helens, United States of America

Mount Saint Helens is a stratovolcano in the state of Washington. It is located on the Cascade Volcanic Arc on the Pacific Ring of Fire.

Its most notable volcanic eruption was on 18<sup>th</sup> May 1980. 57 people were killed and homes and infrastructure were destroyed. The power of the eruption caused a significant earthquake and also caused a massive avalanche.

The volcano was forever changed – the height of the mountain's summit reduced from 2,950 m to 2,550 m. It left a mile wide horseshoe-shaped crater at the top of the volcano.

## Mount Vesuvius, Italy

Mount Vesuvius is a stratovolcano, which has two cones 3 miles apart. It is located near Naples. It has erupted 50 times.

It famously erupted in 79AD when it covered the city of Pompeii in ash and lava. Thousands of people died. To this day, many bodies and items in the city are still being discovered due to the fact they were preserved in the hardened ash.

## Krakatoa, Indonesia

This volcano sits on a fault line called the Ring of Fire. The Ring of Fire is a path along the Pacific Ocean where there are many active volcanoes and frequent earthquakes. Krakatoa is a stratovolcano.

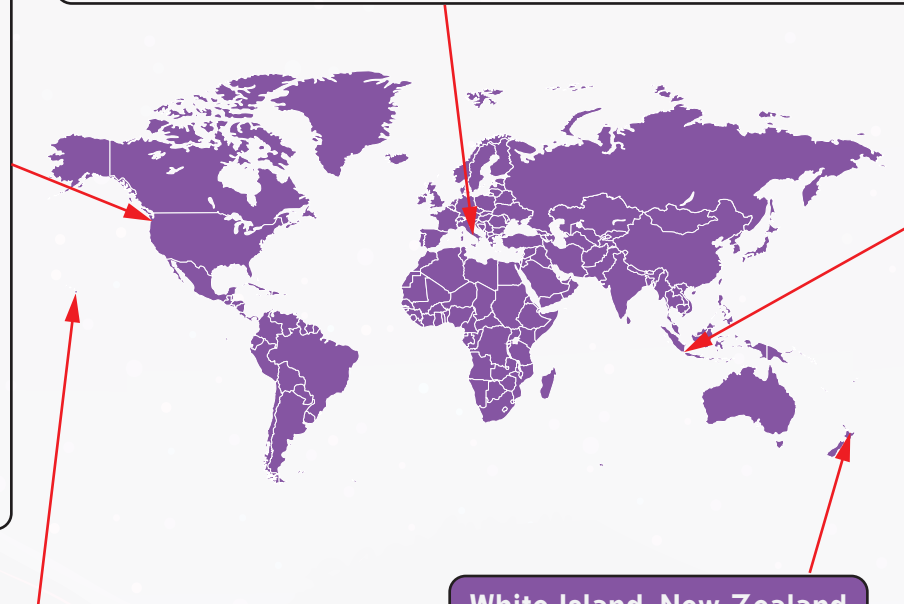
When it erupted in 1883, it created the loudest sound ever recorded. The explosion was so powerful it created a tsunami, which devastated the Indonesian coastline and killed thousands of people.

## Mauna Loa, Hawaii

Mauna Loa is the largest volcano in the world and one of the most active. It is located on Hawaii Big Island. It is a shield volcano, which has grown in size due to multiple lava flows. It is now over 17,000 metres tall. It has erupted 33 times since its first eruption in 1843.

## White Island, New Zealand

White Island is located in the Bay of Plenty, which is 29 miles off the east coast of the North Island. It is New Zealand's most active volcano. It erupted almost continuously between 1976 to 2000. On 9<sup>th</sup> December 2019, White Island erupted at 14:11 whilst there were 47 tourists on the island. Unfortunately, 21 were killed by the eruption.



## QUESTIONS

1. Why is it beneficial to have a map in the centre of this information sheet?

---

---

2. How many cones does Mount Vesuvius have?

---

3. Match the volcano to its specific location.

Mauna Loa

Washington

White Island

Hawaii Big Island

Mount Vesuvius

Naples

Mount Saint Helens

Bay of Plenty

4. What is the 'Ring of Fire'?

---

5. Tick how many people were killed when White Island erupted in 2019?

47 ☐

21 ☐

29 ☐

6. What does 'molten rock' mean?

---



**7. a) What irreversible change happened when Mount Saint Helens erupted in 1980?**

---

---

**b) What was the long term consequence of this?**

---

---

**8. What does the mean when it describes how White Island 'erupted almost continuously'?**

---

---

**9. Which volcano is the largest in the world?**

---

**10. Find and copy the word which is a synonym for 'engulfed'.**

---

## ANSWERS

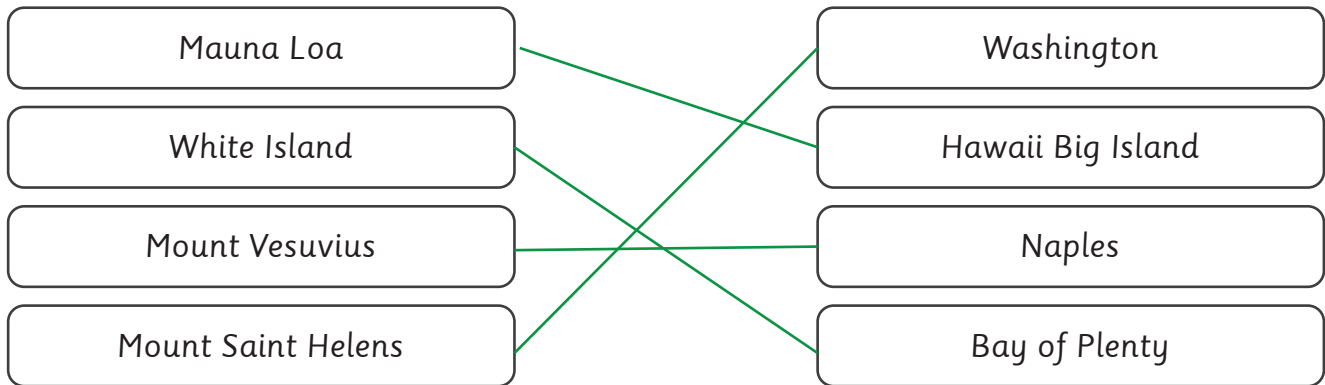
1. Why is it beneficial to have a map in the centre of this information sheet?

*The map helps you to locate where in the world the featured volcanoes are.*

2. How many cones does Mount Vesuvius have?

*two*

3. Match the volcano to its specific location.



4. What is the 'Ring of Fire'?

*a path along the Pacific Ocean where there are many active volcanoes and frequent earthquakes*

5. Tick how many people were killed when White Island erupted in 2019?

- 47 ☐
- 21 ☒
- 29 ☐

6. What does 'molten rock' mean?

*hot rock that has turned into liquid*

7. a) What irreversible change happened when Mount Saint Helens erupted in 1980?

*The power of the volcano blew off its top - the height of the summit was reduced from 2,950 m to 2,550 m.*

b) What was the long term consequence of this?

*It left a mile wide horseshoe-shaped crater at the top of the volcano.*

8. What does the mean when it describes how White Island 'erupted almost continuously'?

*Children answer with a response similar to:*

*The eruption kept on going/ happening and ash/lava/smoke etc continued to be released non- stop by the volcano.*

9. Which volcano is the largest in the world?

*Mauna Loa*

10. Find and copy the word which is a synonym for 'engulfed'.

*covered*