

# Disaster Knowledge Organiser



## Key Facts

There are more than 1,500 potentially active volcanoes in the world today. They could explode at any point!



The world's largest active volcano is **Mauna Loa** in Hawaii. It last erupted in 1984.



Shock waves from an earthquake that travel through the ground are called **seismic waves**.

The **largest earthquake** ever recorded in the world was in **Chile** in **1960**. It measured 9.6 on the Richter scale.

In AD 79, the Italian town of Pompeii was destroyed and buried by the volcano- **Mount Vesuvius**.



**Mount Fuji** is the tallest mountain and volcano in **Japan**. It has been dormant since its last eruption in 1707.

The **largest earthquake** recorded in the **US** was in **Alaska** in **1964**, measuring 9.2 magnitudes.

**Magma** and **lava** are two different things! **Magma** is the hot liquid rock inside a volcano. When it leaves the volcano, it's known as **lava**.

## Key Vocabulary

**Earthquake**- a sudden violent shaking of the earth's surface

**Richter Scale**- a system for measuring the strength of an earthquake

**Volcano**- a mountain with a large opening at the top through which gases and lava are forced out into the air

**Lava**- hot liquid rock

**Eruption**- an occasion when a volcano suddenly throws out burning rocks, smoke etc.

## Key Questions

What do we already know about earthquakes and volcanoes?

Where do earthquakes and volcanoes occur?

What happens when a volcano erupts?

What happens when an earthquake occurs?

What famous volcanoes are there?

What happened when Mount Vesuvius erupted in Pompeii in AD 79?

How do volcanic eruptions and earthquakes affect people involved?

Which country do earthquakes worst affect?

## Key Skills

Identify fault lines and tectonic plates on a world map. Analyse patterns.

Make models of volcanoes using mouldable materials.

Write the story of a volcanic eruption using an ICT program.

Create and analyse data and spreadsheets.

Write a newspaper report about the volcanic eruption of Mt Vesuvius.

Draw diagrams to explain how an earthquake occurs.