

Natural Disasters



Holly Casserly

Earthquakes

<http://yrylitoxewa.web44.net/arian-foster-tennessee-stats.php>

There are a lot of earthquakes in Japan!

What are earthquakes?

An Earthquakes is when the earth shakes, it is when the tectonic plates rub,bump or split apart.

Where are earthquakes most common?

A lot of earthquakes are located in Japan this is a picture of a tsunami in Tohoka Japan

You can see the after picture of this tsunami and it is horrible to look at a town that has now been destroyed.

How do you Measure earthquakes?

There are two ways you can measure earthquakes by the Marcella scale:

1 instrumental

2 weak

3 slight

4 moderate

5 rather strong

6 strong

7 very strong

8 destructive

9 violent

10 intense

11 extreme

12 catastrophic

There is another scale called the Richter scale and you measure it with a seismograph.

The dangers that might happen after an earthquake are:

Tsunami

Landslides

Liquefaction

Fire

Some interesting facts...

"Since the earthquake in Japan the Earth has been pushed 25cm off it's axis..."

"The Earth has changed shape and the days are now slightly shorter..."

"Japan has been pushed 4meters towards the Pacific Ocean and has dropped 1 meter in height..."

"Edinburgh is now 1cm taller after the Earthquake..."

"Iodine from Japan's nuclear power station has been detected in Glasgow..."



FACTS



- ❖ Volcanoes are openings in the Earth's surface. When they are active they can let ash, gas and hot magma escape in sometimes violent and spectacular eruptions.
- ❖ The word volcano originally comes from the name of the Roman god of fire, Vulcan.
- ❖ Volcanoes are usually located where tectonic plates meet. This is especially true for the Pacific Ring of Fire, an area around the Pacific Ocean where over 75% of the volcanoes on Earth are found.
- ❖ Hot liquid rock under the Earth's surface is known as magma, it is called lava after it comes out of a volcano.
- ❖ While we certainly have some big volcanoes here on Earth, the biggest known volcano in our solar system is actually on Mars. Its name is Olympus Mons and it measures a whopping 600km (373 miles) wide and 21km (13 miles) high.

Volcanoes

VOLCANOES

The different types of rock formation are:

Granite

Hydrothermal breccia

Folded gneiss

Dolente intrusion

The last volcano we have had in Britain was 55,000,000 years ago and in 1883 there was a volcano in Krakatoa.

The three volcano hazards are:

Ash

Cloud

Mud

There are three different types of lava called:

'A'ā lava

Pele's hair

Pāhoehoe lava

In 79AD Mt Vesuvius erupted, in 1883 Krakatoa exploded!

VOLCANOES

The different types of rock formation are:

Granite

Hydrothermal breccia

Folded gneiss

Dolente intrusion

The last volcano we have had in Britain was 55,000,000 years ago and in 1883 there was a volcano in Krakatoa.

The three volcano hazards are:

Ash

Cloud

Mud

There are three different types of lava called:

'A'ā lava

Pele's hair

Pāhoehoe lava

In 79AD Mt Vesuvius erupted

Tsunami

TSUNAMI

The biggest ever tsunami was in Litaya Bay, Alaska on the 9th July 1958 it was 1720 feet high (that's very high)

<https://m.youtube.com/watch?v=NpsFn2yK3a4>

After you watch this video it makes you feel really sorry for the people who are there.

We can not do much to stop this but scientists try to estimate when these horrible experiences will happen so the city, town, village can be evacuated.

A tsunami is a powerful ocean wave, usually triggered by an earthquake under the sea floor. If the earthquake is powerful enough, the sudden movement of the ocean floor can cause the water above to surge upwards then fall back, resulting in a tsunami.