

Famous volcano study:

Mount Vesuvius in Pompeii

Eruption in 79AD



## Key Questions

What is under our feet?

Where are volcanoes found?

What erupts from a volcano?

What types of volcano are there?

Where are volcanoes found in the UK?

Why do people live by volcanoes?

Where in school is the riskiest?

Why do earthquakes happen?

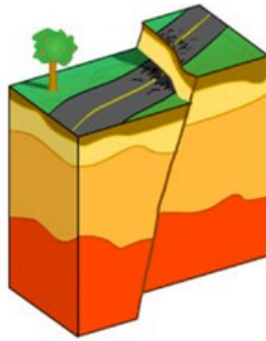
What should you do in the event of an earthquake?

Can you locate a major earthquake?

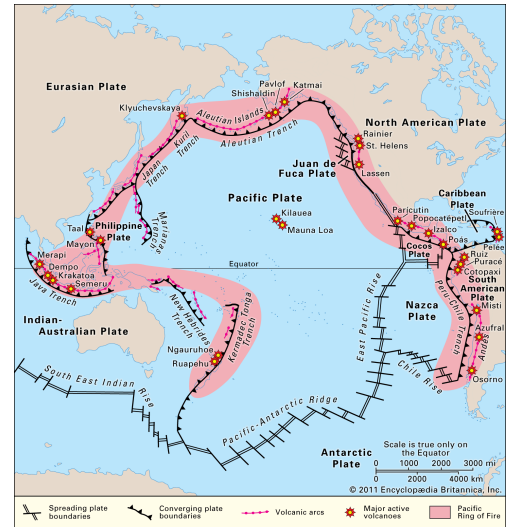
What causes a tsunami to occur?

How do tornadoes impact how and where people live?

# Extreme Earth Year 3



Normal fault



## Key Vocabulary

**Ring of fire** -is an arc around the Pacific Ocean where many volcanoes and earthquakes are formed.

**Volcano**—a vent in the earth's crust from which eruptions occur

**Tsunami** —a series of ocean waves that send surges of water.

**Tornado** —a rapidly rotating column of air

**Equator**—a circle of latitude that divides the earth in to the northern and southern hemispheres

**Continent**—one of seven continuous land masses

**Lava**—is magma when it emerges as liquid onto the earth's surface.

**Magma**—molten rock

**Extinct**—a volcano which hasn't erupted in recorded history

**Active**—a volcano which is either erupting or likely to erupt in the future.

**Dormant**—a volcano which has not erupted for a long time nor it is likely to erupt in the future.

**Earthquake**—a shaking of the surface of the earth

**Eruption**—when ash, gas or lava leave

A volcano

**Mantle**—the solid body of rock inside a volcano

**Core**—centre of the earth

**Vent**—the opening of a volcano when volcanic material comes out of.

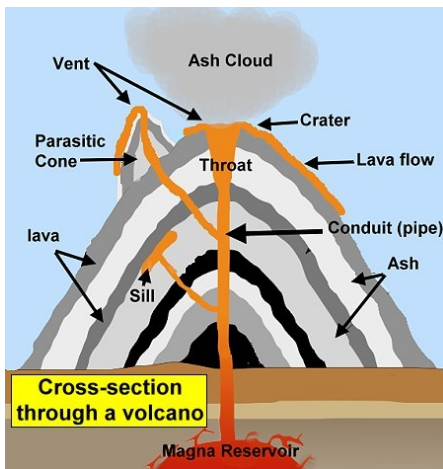
**Ash cloud**—a cloud formed from tiny ash particles and gases blasted out of a volcano

**Magma chamber**—a large pool of liquid rock beneath the surface of the earth

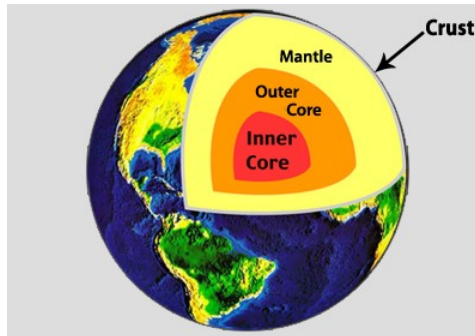
**Natural disaster**—are extreme sudden events caused by environmental factors

**Grid reference**— a combination of letters and number that identify a position on a map,

**Tectonic plates**—large pieces of the earth's crust and upper mantle.



The Earth has three layers, the crust, the mantle and the core.



A **tsunami** is a giant wave caused by a huge earthquake under the ocean.

How a tsunami is formed:

