

## Natural Disasters

<p><b>Earthquakes</b></p>	When tectonic plates move parallel to each other, it causes friction that sticks them together. When they get unstuck, it can cause a violent jolt which causes an earthquake.
<p><b>Tsunamis</b></p>	When an earthquake occurs in the sea, the water is suddenly moved outwards, creating a huge volume of water which travels quickly towards land.
<p><b>Hurricanes</b></p>	A hurricane is a huge storm measuring up to 600 miles across with winds reaching speeds of 75-200 mph.
<p><b>Volcanoes</b></p>	Volcanoes generally form on the boundaries of tectonic plates. Tectonic plates can move apart from each other (diverge) leaving a space for magma to erupt. If plates converge, one plate is forced underneath the other, leaving space for magma to spill out.
<p><b>Wildfires</b></p>	Common causes of wildfires include lightning, human carelessness (or on purpose), volcano eruptions, heat waves, droughts, and climate change.

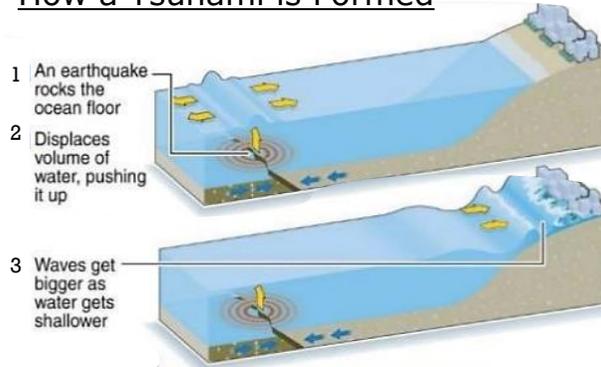
## Human Disasters

<p><b>Deforestation</b></p>	Forests are cut down for reasons including clearing the land for cattle farming or to make furniture. Plants give off oxygen, so the destruction of rainforests are having an impact on the health of the world.
<p><b>Pollution</b></p>	Pollution from car exhausts and smoke from factories increase carbon dioxide and are contributing to global warming. Large amounts of plastic are filling the Earth's sea and land, destroying habitats and wildlife.
<p><b>Industrial Accidents</b></p>	Oil spills in the sea can cause catastrophic damage to sea life. Nuclear radiation from nuclear power plants can contaminate large areas for many years.

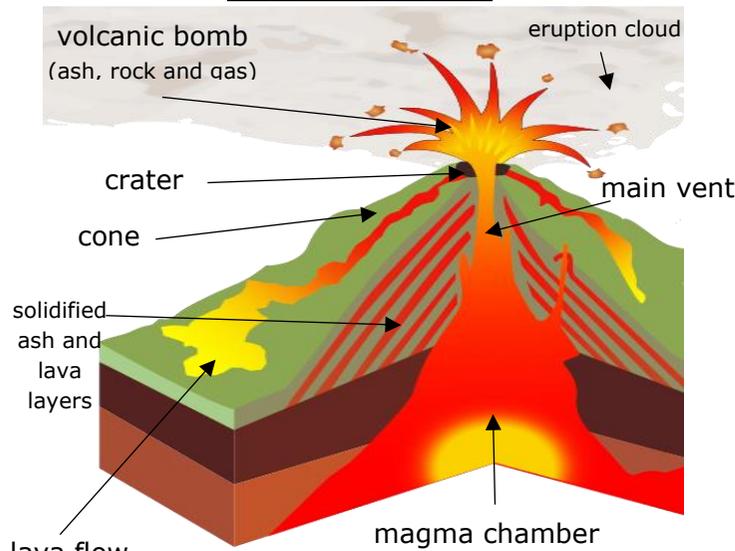
# Natural Disasters

A disaster is a sudden accident which causes significant damage to the landscape or loss of life. They can be human disasters or naturally occurring disasters.

## How a Tsunami is Formed



## Inside a Volcano



## Key Vocabulary

<b>avalanche</b>	a large amount of snow, ice and rock fall
<b>converge</b>	two tectonic plates pushing together
<b>diverge</b>	two tectonic plates moving apart
<b>drought</b>	lack of rainfall over time causing a water shortage
<b>evacuation</b>	leaving somewhere immediately due to danger
<b>floods</b>	sudden rainfall causing water to rise
<b>magnitude</b>	how strong an earthquake is
<b>monsoon</b>	seasonal wind in SE Asia bringing heavy rain
<b>phenomenon</b>	a naturally occurring and unusual event
<b>Richter scale</b>	scale from 1-9 showing the magnitude of an earthquake
<b>rubble</b>	broken stone, brick, concrete caused by destruction
<b>seismograph</b>	an instrument used to measure the force and length of an earthquake occurs for
<b>tectonic plates</b>	the outer part of Earth is made up of 12 large, irregularly-shaped slabs of rock called 'plates'.
<b>tornado</b>	violently rotating wind causing destruction
<b>tremor</b>	a sudden shake of the Earth

## Here to Help!

There are lots of charities and organisations who help before, during and after a natural disaster. This includes:

- warnings/evacuation
- Immediate help (search and rescue)
- damage assessment
- continued assistance
- restoration/construction



### Examples

The British Red Cross  
 United Nations Children's Fund (UNICEF)  
 Royal National Lifeboat Institution (RNLI)

## Disaster Timeline

