Year 3 UK Geography Natural Disasters

Key Learning

- Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing magma to sometimes erupt through it.
- Active volcanoes have erupted in the last 10 000 years.
- Dormant volcanoes haven't erupted in the last 10 000 years but may erupt again.
- Extinct volcanoes aren't expected to erupt again

- A tsunami is a giant wave caused by a huge earthquake
- The earthquake causes a large amount of water to be displaced very quickly causing a series of waves.
- As the waves travel through shallower water near land, they get bigger and bigger. The wave crashes onto the

devastation to buildings and sometimes even lives.



- A tornado is a swirling funnel of air that forms when warm air rises from near the ground into big cumulonimbus clouds
- There can be thunder and lightning at the same time.
- You can see tornadoes due to the dust and water droplets caught in the clouds.
- Storm chasers are film-makers and scientists who head towards the storms. They film the
- Most tornadoes happen in Tornado Alley in America more than
- Tornadoes can happen in the UK but only around 30 per year



- Earthquakes are caused when the earth's tea suddenly move.
- Most earthquakes occur near the tec boundaries.
- Earthquakes can cause lots of damage to roads, buildings and property.





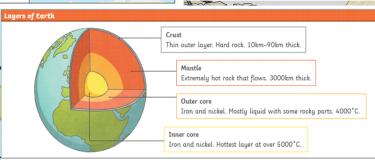


What Is the Ring of Fire?

The Ring of Fire is a horseshoe-shaped line on a map which is home to around 75% of the world's volcanoes and 90% of the world's earthquakes

The area is a 25 000 mile line of volcanoes, tremors and earthquake around the edge of the Pacific Ocean.





What is it like to live near a volcano? Pros of living near a volcano include amazing scenery, rich fertile soils and cheaper land and homes, whereas the cons include the dangers of living near a volcano including the destruction of homes, risks of earthquakes, larva flows, fires, tsunamis, mud and pyroclastic flows and the risk of death.

Key Vocabulary When gas and or lava are released from a volcano, sometimes explosively. eruption aftershock A smaller earthquake which comes after a large earthquake (called the main shock) in the same area A long, high sea wave caused by an earthquake or other disturbance. tsunami Molten rock that is underground. magma Molten rock that breaks through the Earth's surface. lava dormant A volcano which is not erupting now but is still considered active because it could erupt in the future. fault A fracture or zone of fractures between two blocks of rock. magnitude The size or extent of something. The movement of a mass of rock, debris or earth down a slope. landslide Tectonic plates Gigantic pieces of the Earth's crust and uppermost mantle. earthquake What happens when two blocks of the earth suddenly slip past one another. volcano A mountain or hill having a crater or vent through which lava, rock fragments, hot vapour and gas have been erupted from the Earth's crust.