

Knowledge Organiser - Extreme Earth

Year 5 - Geography



Key Facts

-Sometimes powerful weather events on Earth can cause huge problems for nearby people.

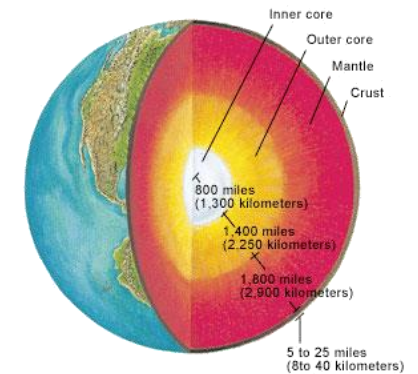
-Some disasters are caused by humans, such as pollution, deforestation and nuclear meltdowns.

-Disasters can cause huge damage to the cities and countries people live in and can even cause death. Some of the worst natural disasters have been the earthquake and tsunami that hit Japan in 2011 and the even worse 2004 earthquake and tsunami across Asia.

-In the year 79 CE, the volcano Mount Versuvius erupted and destroyed the entire city of Pompeii, which has still been left in ruins to this day because of the ash from the volcano that preserved it.

-There are around 40 tornadoes in the UK every year, but most of them are very small.

Key Vocabulary	
Tsunami	Huge waves that can be caused by earthquakes and volcanic eruptions.
Earthquake	When the earth releases energy from tectonic plates rubbing against each other, causing the ground to shake.
Earth's Crust	The thin outside layer of the Earth, which is made of solid rocks.
Tornado	A type of storm where winds rotate very quickly in a column.
Mantle	The layer of the Earth below the crust, made of rocks, hot gases and magma.
Volcano	An opening in the Earth's crust where lava can explode out from the mantle.
Core	The centre of the Earth, which is made of the solid metals iron and nickel and is about 5000°C!
Plate Tectonics	Large parts of the Earth's crust land which cause earthquakes when crashed against each other.



Volcano erupting in Alaska, 1994



Before and after the 2011 tsunami hit in Japan



Tornado in Canada, 2007

