



Year 4 – Extreme Earth

CRUCIAL KNOWLEDGE

R: The earth's crust (outer layer of Earth) is made up of moving sheets of rock called tectonic plates

The epicentre is the point on the Earth's surface where the earthquake started

An earthquake is caused when tectonic plates move suddenly

An earthquake is the shaking and vibration of the Earth's crust

Tsunamis are huge waves

EXTENDED KNOWLEDGE

Earthquakes usually last for a very short amount of time

The strength of an earthquake is measured in magnitude

Chile has examples of earthquakes that have caused tsunamis – 1960, 2010 and 2015 earthquakes

1960 Valdivia earthquake in Chile was the most powerful earthquake on record

When earthquakes happen near or underneath water, it sometimes creates tsunamis

Tsunamis can flood areas and cause lots of damage

Approximately 20,000 people are killed each year by earthquakes