

Knowledge Organiser - Year 5—Geography: Earthquakes & Mountains

Key Question — Do the biggest earthquakes cause the most damage?



Mountains

Ben Nevis	Located in the United Kingdom, it is the tallest mountain on the British Isles standing at 3,145 metres.
Denali	Located in Alaska, Denali is the highest mountain peak in the USA with a summit of 6,190 metres.
Mount Everest	Located in Nepal (Asia), it is the highest mountain above sea level. Stands at 8,848 metres tall.
Mount Rushmore	Located in the Black Hills in South Dakota, it is famous for its sculpture of the four U.S Presidents who played important roles in American History.
Rocky Mountains	A mountain range that stretches more than 4,800 kilometres from Western Canada to New Mexico.

Mount Rushmore



Key Concepts

Hazard	A source of danger, which can impact on your health or safety.
Settlement	A place where people establish a community, regardless of the challenges of the surrounding natural environment.

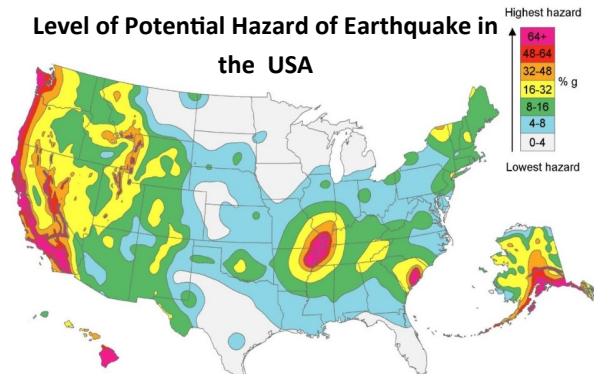
Key Places

Alaska	The largest state in the United States. It became the 49th state in 1959. It is home to more than 40 active volcanoes.
Hawaii	An island in the Pacific Ocean, the last of the 50 states to join the United States (1959). It is the only state to be located in Oceania.
Pacific Ocean	The largest and deepest Ocean on Earth, which covers 46% of Earth's water surface.
United Kingdom	Located in Europe, it is made up of four countries (England, Scotland, Wales and Northern Ireland).
United States Of America	Located in North America, the USA is made up of 50 states and is 4th largest country in the world.

Where in the world is it?



Level of Potential Hazard of Earthquake in the USA



Key Vocabulary

Earthquake	A sudden violent shaking of the ground, typically causing great destruction, due to movement within the Earth's crust or volcanic action.
Fault	Fracture, or break, in the Earth's crust.
Mountains	Large land forms that rise above the surrounding land in a limited area.
Richter Scale	Used to measure the strength (size) of earthquakes.
Ring of Fire	Major area in the basin of the Pacific Ocean where many earthquakes and volcanic eruptions occur.
State	One of the divisions of a nation having a federal government.
Tectonic Plates	Large plates of rock that make up the foundation of the Earth's crust and the shape of the continents. As they move towards one another, they form mountains and are the cause of volcanic eruptions.
Tsunami	Large sea wave produced especially by an earthquake or volcanic eruption under the sea.
Volcano	Opening in the Earth's crust that allows magma, hot ash and gases to escape. Many volcanoes are mountains or small hills.

Famous Earthquakes

Location	Year	Magnitude	Deaths
Alaska, USA, North America	27th March, 1964	9.2	128
California, USA, North	18th April, 1906	7.9	3000
Christchurch, New Zealand, Oceania	22nd February, 2011	6.3	185
Mongolia, Asia	23rd July, 1905	8.4	0
Sumatra, Indonesia, Asia	26th December, 2004	9.1	227,898
Valdivia, Chile, South America	22nd May, 1960	9.5	4,485