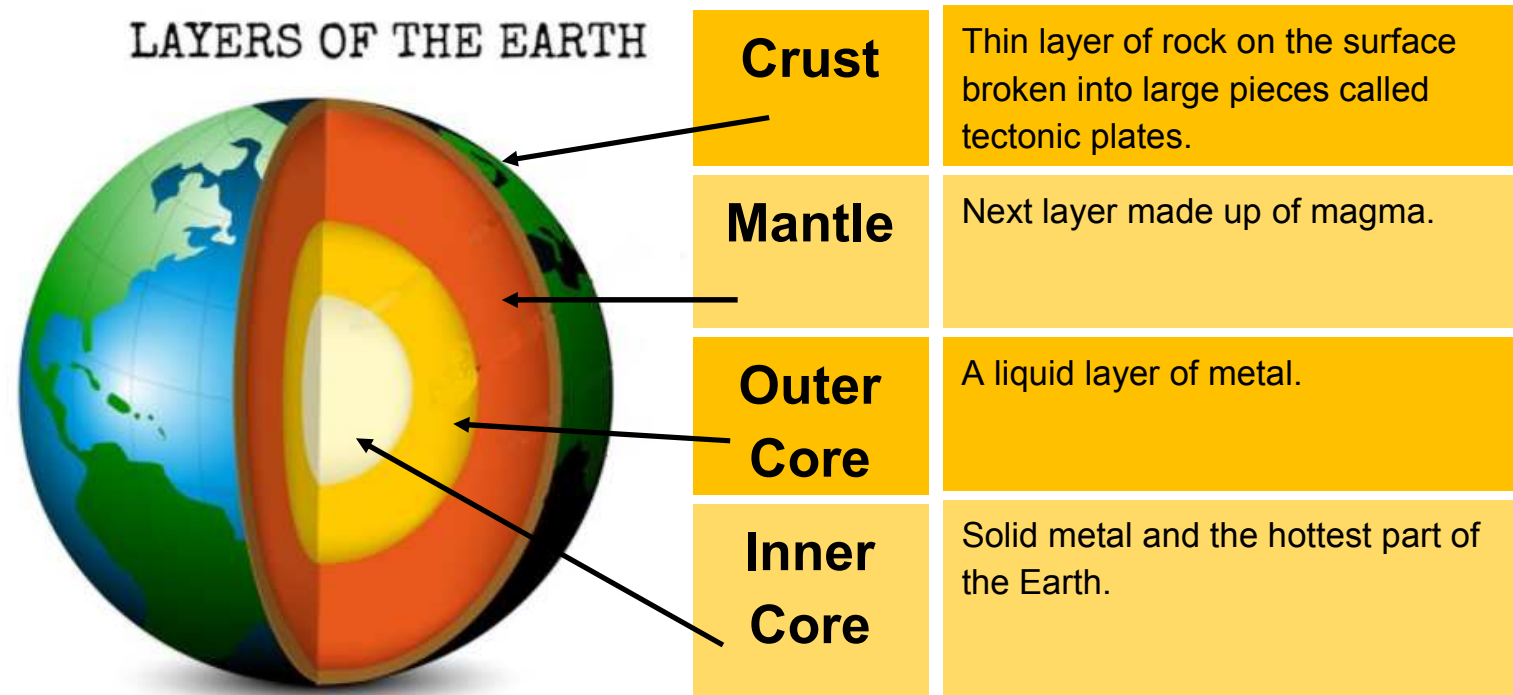
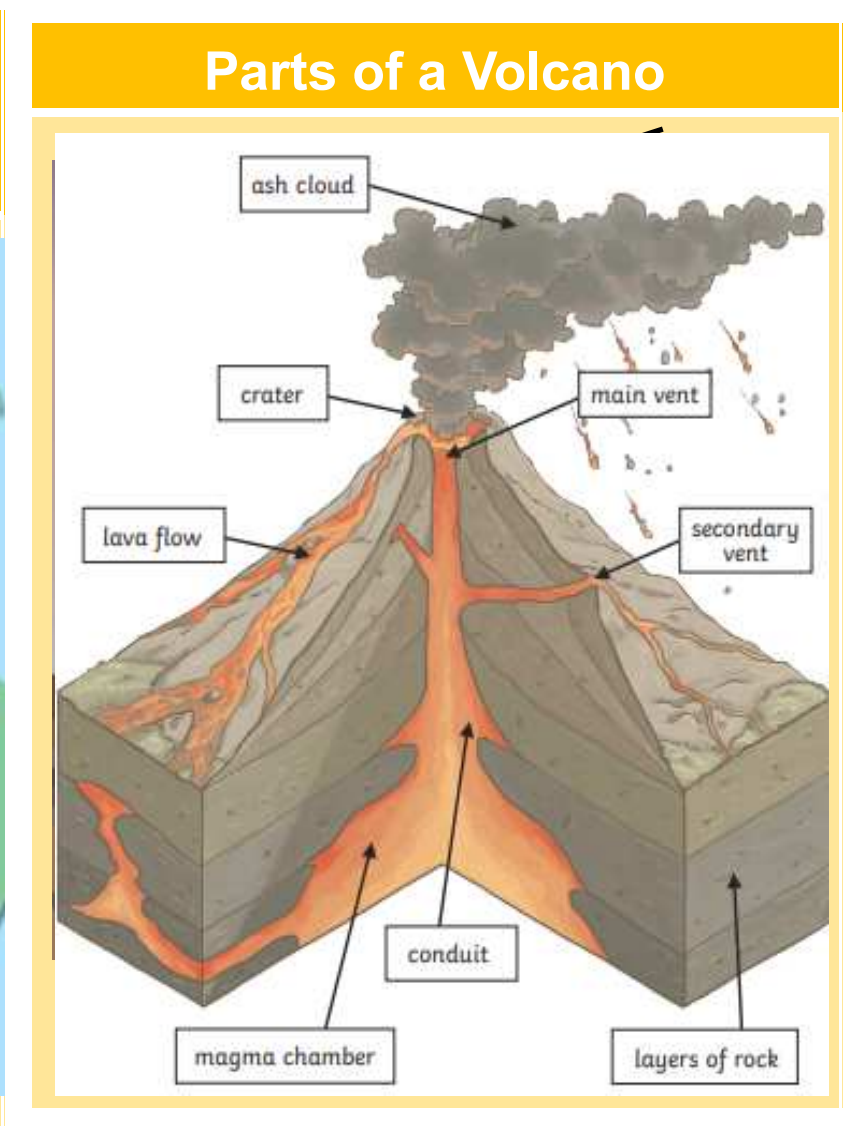
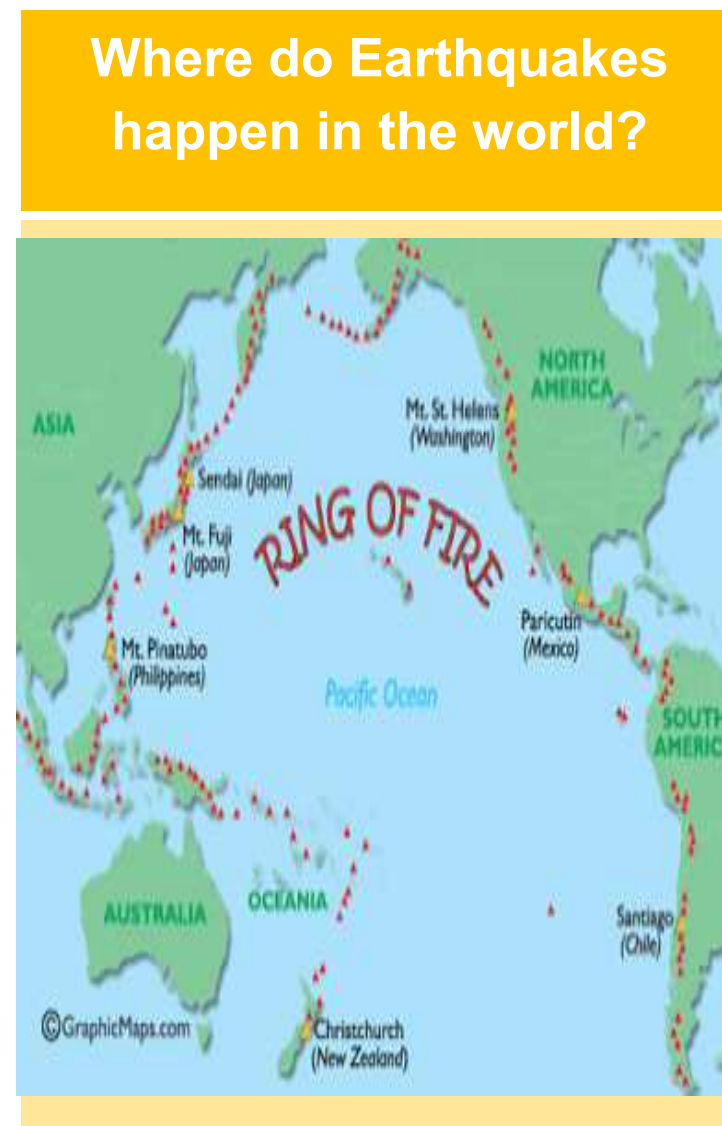


Why do earthquakes happen, and volcanoes erupt?

Vocabulary	Definition
earthquake	The sudden, violent shaking of the ground.
tectonic plate	A large, slow-moving piece of rock that makes up the Earth's crust.
Ring of Fire	Area around the Pacific Ocean where many earthquakes and volcanic eruptions occur.
volcano	An opening of the Earth's crust which can let magma and ash escape.
vent	An opening in the Earth's crust through which lava escapes.
volcanic eruption	The sudden and violent explosion of lava, gas, ash and rock out of a volcano.
magma	Hot molten rock found in the Earth's mantle.
lava	Hot, molten rock that comes out of a volcano.
molten	Metal or rock found in the Earth's mantle.
Magnitude	The power of an earthquake.



Active	Dormant	Extinct
Erupted recently and there is a possibility that it may erupt again.	Has not erupted in a long time but may erupt again in the future.	Has erupted thousands of years ago but will not erupt again.

How and why do people live near earthquakes and volcanoes?

How?

- They listen to warnings.
- Prepare emergency kits.
- Some buildings are built to prevent being damaged.
- Evacuate and go to a place of safety.

Why?

- Money from tourism
- Fertile soil– Soil that helps crops/plants grow.
- Mining– rocks help form valuable minerals like gold.
- A source of sustainable energy– energy that can't run out.

Case studies of Volcanoes and earthquakes

Lombok Earthquake, Indonesia– 2018

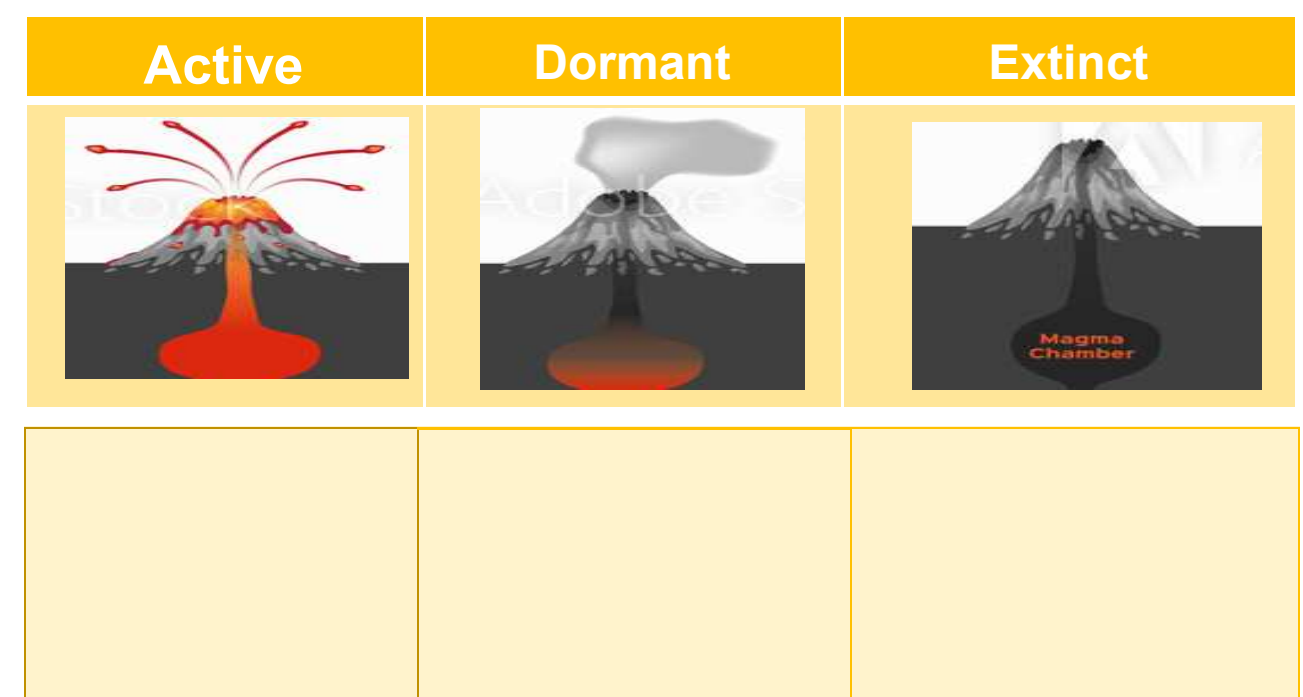
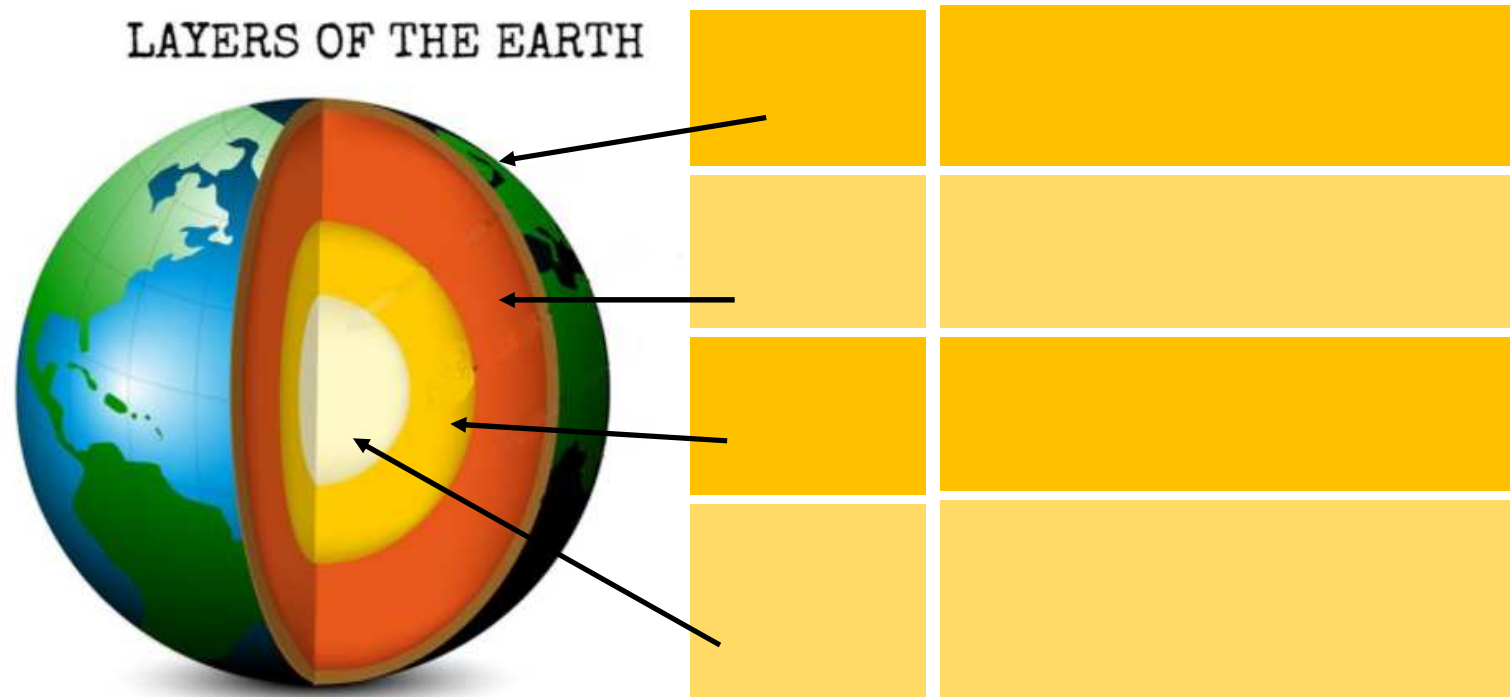


La Palma, Canary Islands Volcanic eruption– 2021



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How?

Why?

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