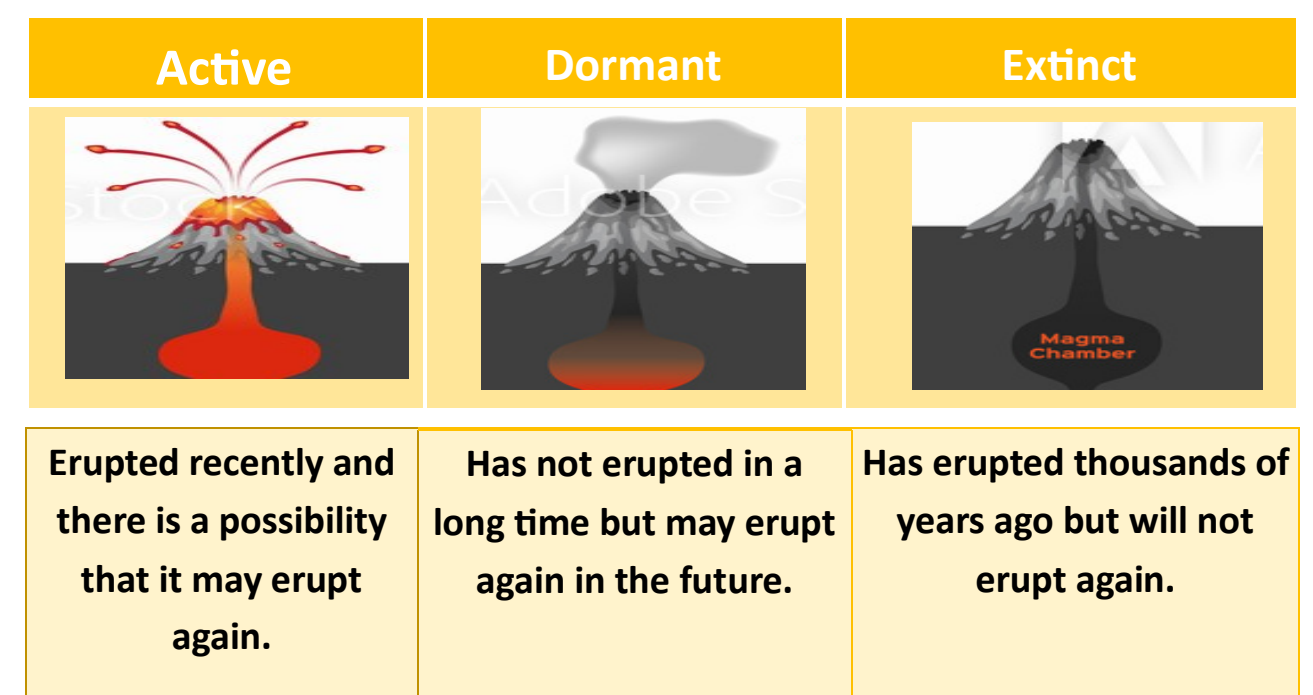
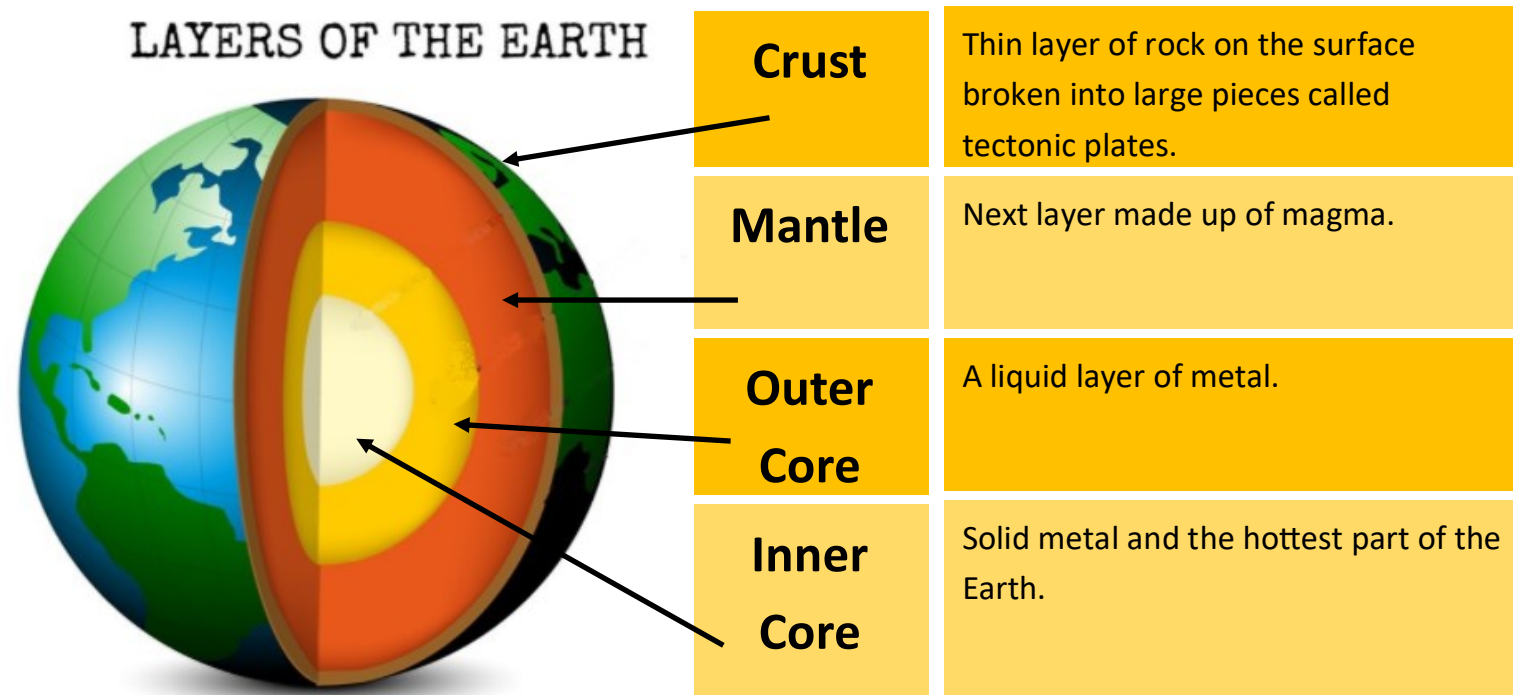
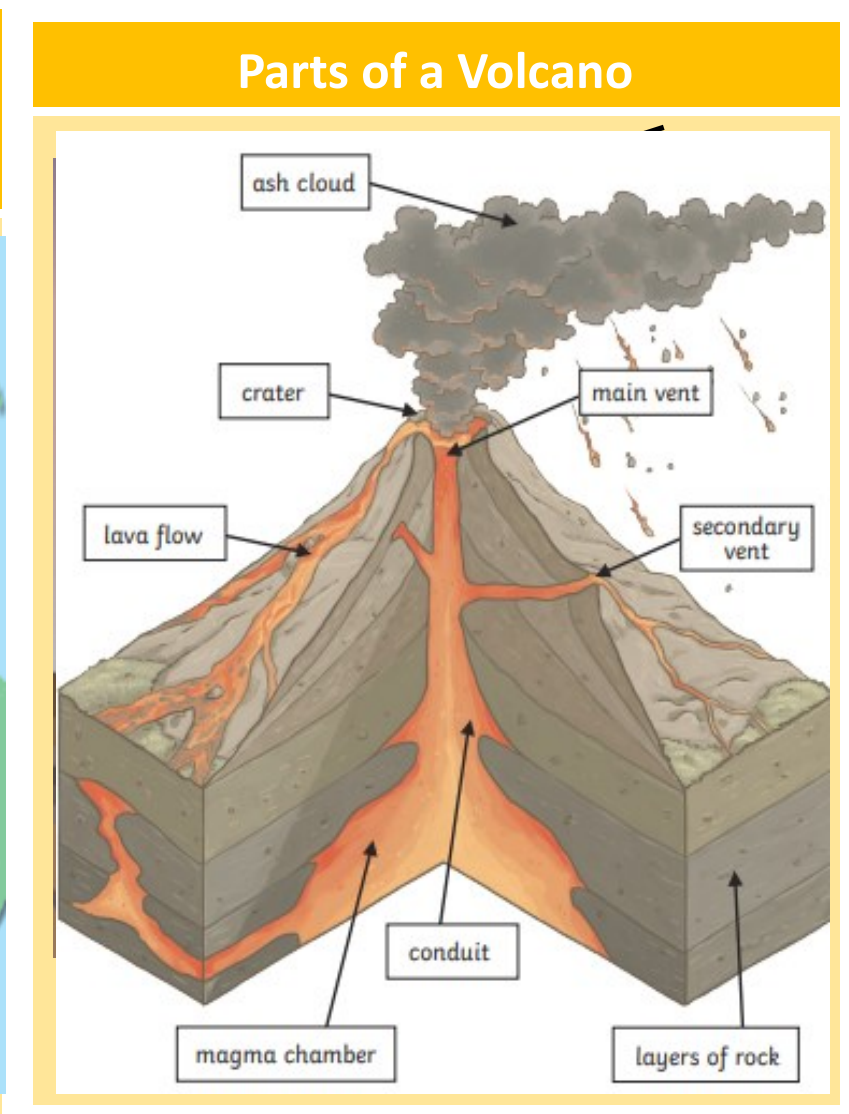


# Why do earthquakes happen, and volcanoes erupt?

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



## 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

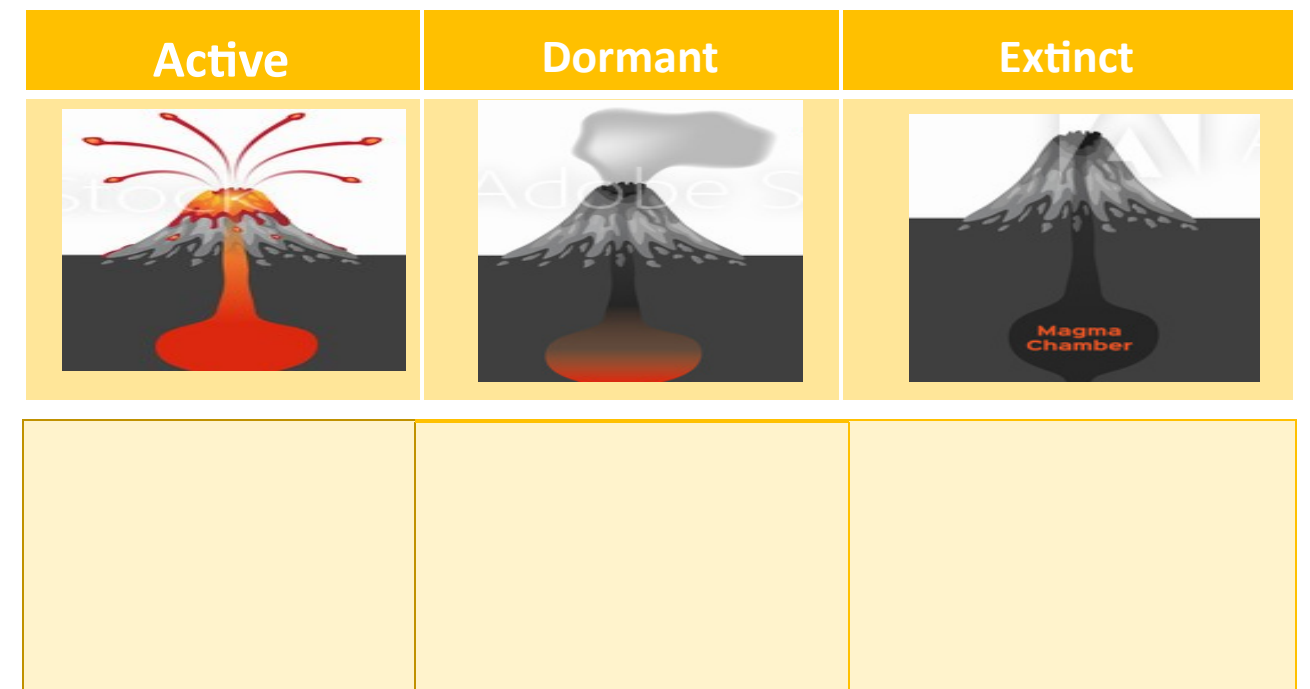
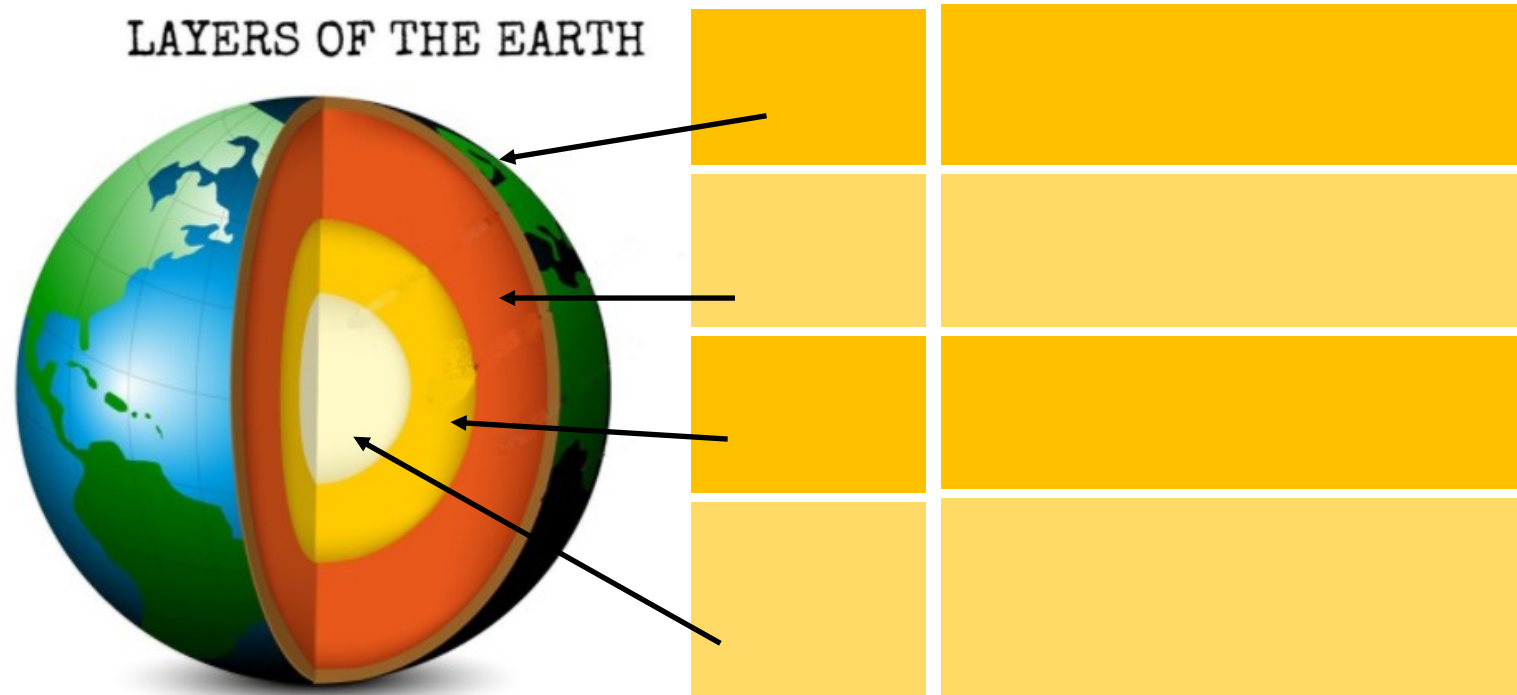
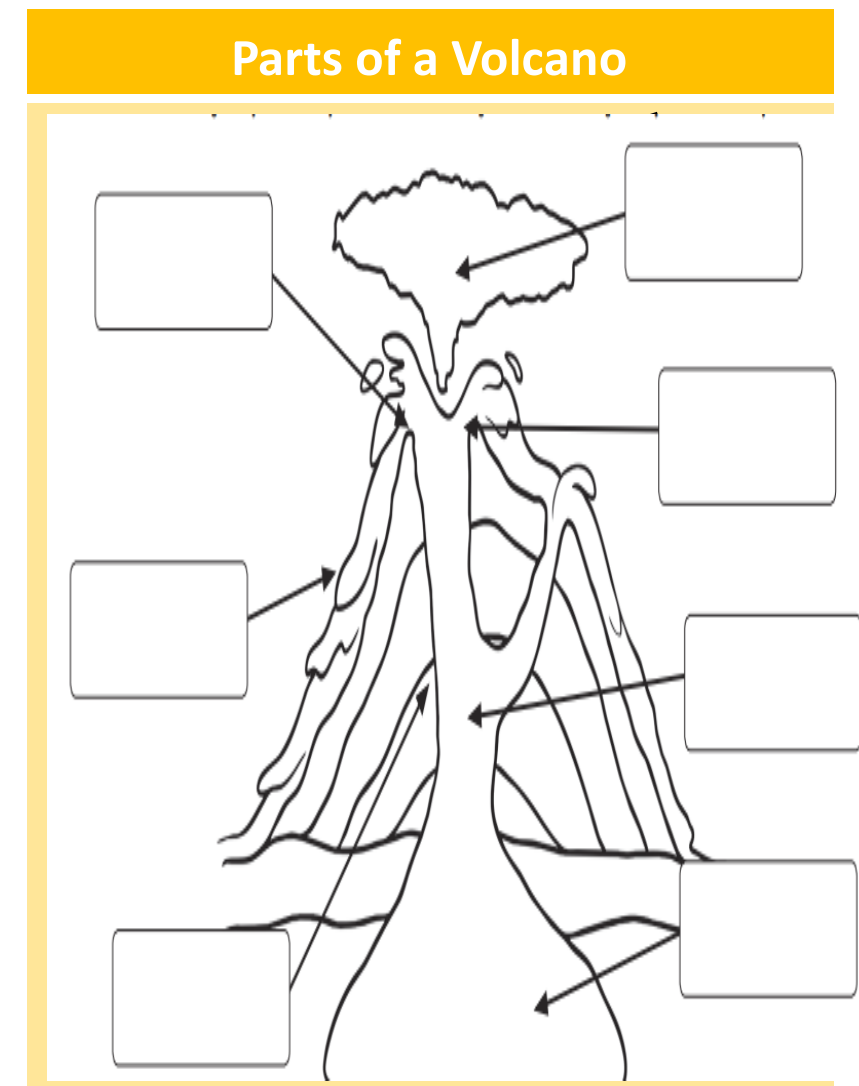


### La Palma, Canary Islands Volcanic eruption– 2021



# Why do earthquakes happen, and volcanoes erupt?

Vocabulary	Definition
earthquake	
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magma	
lava	
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Magnitude	



# How and why do people live near earthquakes and volcanoes?

How?

Why?

## Case studies of Volcanoes and earthquakes

Lombok Earthquake, Indonesia– 2018



La Palma, Canary Islands Volcanic eruption– 2021

