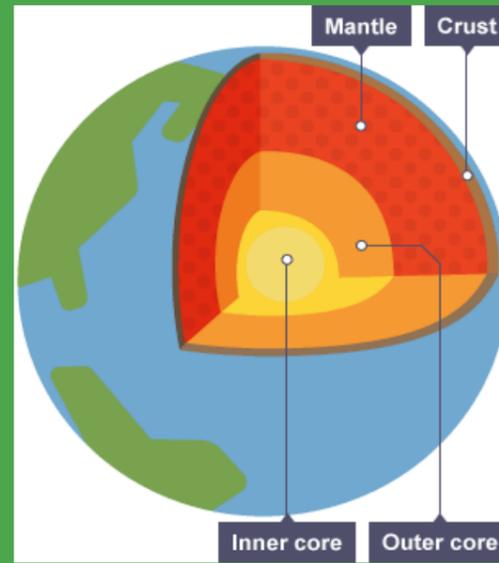


YEAR 3 VOLCANOES AND EARTHQUAKES

Key Vocabulary

crust	The thin outer layer of the Earth where we live. It is made of rock and soil.
mantle	The thick layer under the crust. It is very hot and made of semi-melted rock.
outer core	A very hot layer inside the Earth made of liquid metal.
inner core	The hottest part of the Earth, right in the middle. It is a solid ball of metal.
Centre	The very middle of something. The Earth's centre is the inner core.
layers	Different parts stacked on top of each other, like the layers of the Earth, a bit like layers in a cake.
tectonic plates	Huge pieces of the Earth's crust that move very slowly.
earthquake	When the ground suddenly shakes because tectonic plates move
volcano	A mountain that can erupt and send out lava, ash, and gas.
magma	Hot, melted rock under the Earth's surface.
lava	Hot, melted rock that comes out of a volcano.
eruption	When a volcano explodes or bursts out lava, ash, and gas.
evacuate	To leave a place quickly to stay safe.
ring of fire	A part of the world around the Pacific Ocean where many earthquakes and volcanoes happen, also called the Pacific Ring of Fire.

1. What's under our feet?



4. How do earthquakes and volcanoes affect people?



Damage – Buildings and roads can be broken or destroyed.



Evacuate – People leave their homes to stay safe.



Rescue – Special teams help people who are hurt or trapped.



Shelter – A safe place where people stay until it is safe to go home.

2. Does the ground move?

- The Earth's surface is made of about 15 giant **tectonic plates**.
- Plates carry the **continents and oceans**.
- They **float on hot, melted rock** like thick honey and can **slide slowly**.
- Plates move **away** → lava forms new land (e.g. Iceland).
- Plates **collide** → push land up into **mountains** (e.g., Himalayas).
- Plates **grind past** → get stuck → snapping free causes **earthquakes**.

3. What happens when a volcano erupts?



5. Where in the world are volcanoes?

