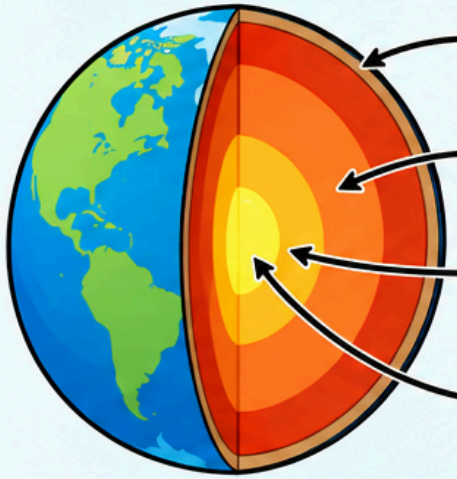
LEWIS STREET PRIMARY SCHOOL

Year 3 Geography –

Why do people live near volcanoes?

Layers of the Earth



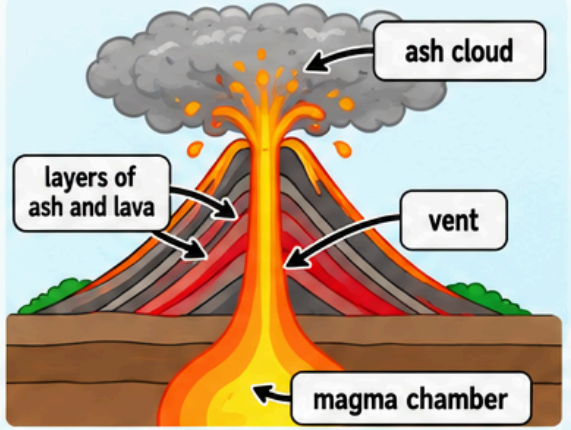
crust – The thin, rocky outer layer of the Earth.

mantle – A thick layer of very hot rock.

outer core – A layer of hot, liquid metal (mainly iron).

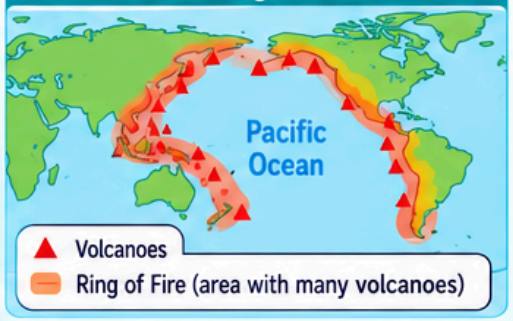
inner core – A solid centre made of very hot metal (mainly iron).

How volcanoes form



Magma rises through cracks in the Earth's crust. It erupts at the surface, building up a volcano over time.

The Ring of Fire



Many volcanoes are found around the edge of the Pacific Ocean, an area called the Ring of Fire.

Why live near a volcano?

Benefits

- Volcanic ash creates fertile soil for farming.
- Volcanoes attract tourists, which creates jobs.
- Geothermal energy from the heat can be used to make electricity.
- Volcanoes can provide valuable rocks and minerals such as metals and gemstones.

Risks

- Lava and ash can destroy homes, farmland and forests.
- People may be injured or killed during an eruption.
- Earthquakes may happen when tectonic plates move.

Six key words

ACTIVE VOLCANO
A volcano that is erupting now or is likely to erupt soon.

DORMANT VOLCANO
A volcano that has not erupted for a long time but may erupt again.

EXTINCT VOLCANO
A volcano that is not expected to erupt again.

MAGMA
Melted rock beneath the Earth's surface.

EARTHQUAKE
A shaking of the ground caused by movement in the Earth's crust.

FERTILE SOIL
Soil that helps plants grow well.

RESPECT • EXCELLENCE • SELF-BELIEF • CHALLENGE