

# Volcanoes and Earthquakes

Chapter 6: Volcanoes and Earthquakes · Topic 1

---

## Key Concept

Volcanoes form when magma rises through weaknesses in Earth's crust, erupting as lava, ash, and gases, often at plate boundaries.

Earthquakes occur when built-up stress along faults (cracks in the crust) is suddenly released, causing the ground to shake.

Most volcanoes and earthquakes occur along the 'Ring of Fire', a zone around the Pacific Ocean with many tectonic plate boundaries.

Understanding these events helps us prepare for and mitigate their impacts, protecting lives and property in vulnerable regions.

## Quick Revision Notes

- Volcanoes form when magma rises through crust weaknesses.
- They erupt lava, ash and gases.
- This often occurs at plate boundaries.
- Earthquakes occur when fault stress releases suddenly.
- This causes the ground to shake.
- The 'Ring of Fire' is around the Pacific Ocean.
- Most volcanoes and earthquakes occur there.
- Understanding these events helps disaster preparedness.

## Practice Questions

- 1 Research a volcano and its eruption history.
- 2 Research an earthquake and its impact.
- 3 Discuss the 'Ring of Fire'.
- 4 Explain how tectonic plates relate to these events.
- 5 Discuss earthquake safety measures.
- 6 Create a map showing the Ring of Fire.