

Practice and Revision - Volcanoes and Earthquakes

Chapter 6: Volcanoes and Earthquakes · Topic 2

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.