

Earthquake Investigation

Learning objective: To understand the causes and effects of earthquakes

Complete this fact-file to learn more about earthquakes. Use your knowledge from class and research to answer the questions.

Word bank: tectonic plates · seismic waves · fault line · earthquake magnitude · aftershock

1. What are tectonic plates and how do they cause earthquakes? (2 marks)

2. Describe the difference between an earthquake's magnitude and intensity. (3 marks)

3. What is a fault line and how do scientists study them? (3 marks)

4. Explain the concept of seismic waves and their role in an earthquake. (4 marks)

5. What is an aftershock and how can it affect a community? (2 marks)

Draw: Draw a diagram of the Earth's surface showing where tectonic plates meet and how earthquakes occur.



Extension challenge: Research and write about a real-life earthquake event, including its cause, effect, and how it was managed.