

Year 4 Geography: Earthquakes

Learning objective: To demonstrate understanding of what causes earthquakes, how they affect the environment, and how people prepare for them.

Answer all questions in complete sentences. Use your own words as much as possible. Show all working for calculations.

Word bank: fault line · seismic waves · tectonic plates · earthquake · aftershock · evacuation · emergency kit

1. What is an earthquake? (1 mark) (1 mark)

2. A town is located near a fault line. What might happen during an earthquake in this town? (2 marks) (2 marks)

3. What are seismic waves and how do they affect the environment? (3 marks) (3 marks)

4. Finn is a friendly dolphin who lives in a coastal town. The town has a risk of earthquakes. What items might Finn include in an evacuation kit? (2 marks) (2 marks)

5. Write a short poem about a town that has just experienced an earthquake. (5 marks) (5 marks)

6. A family has £25 to spend on earthquake safety equipment. They want to buy a first aid kit for £15 and a flashlight for £8. How much will they have left for other supplies? (3 marks) (3 marks)

7. What is an aftershock and how might it affect people in the area? (2 marks) (2 marks)

Draw: Draw a simple diagram of what happens during an earthquake, including seismic waves and the movement of tectonic plates.



Extension challenge: Write a short story about a group of friends who learn about earthquake safety and create their own emergency kit. (5 marks) Total: /25