

Grade 4 Geography Assessment: Magnificent Mountains

Learning objective: To assess understanding of mountain formation, climate zones, and the physical geography of mountain ranges.

Read each question carefully. Use your geographical knowledge to provide clear, detailed answers. Ensure your spelling is accurate and include units of measurement where required.

Finn the dolphin has been mapping the world's great mountain ranges. He has noticed that mountains are not just piles of rock; they are shaped by powerful forces deep beneath the Earth's crust and the constant movement of ice and wind. From the snow-capped peaks of the Himalayas to the rolling heights of the Scottish Highlands, every mountain tells a story about the history of our planet.

Word bank: altitude · tectonic plates · summit · glacier · weathering · range · climate · fold mountain

1. Explain how 'fold mountains' are created using the movement of tectonic plates. (2 marks)

2. What is the difference between a mountain 'summit' and a mountain 'range'? (2 marks)

3. Describe how the climate changes as you climb higher up a mountain. Why does this happen? (3 marks)

4. Nova the owl is observing a mountain. She notices a large river of ice moving slowly down the valley. What is this feature called, and what impact does it have on the landscape? (3 marks)

5. Name one major mountain range in the UK and one major mountain range found elsewhere in the world. (2 marks)

6. Explain two ways in which humans use mountain environments for work or leisure. Give an example for each. (4 marks)

7. Imagine you are an explorer climbing a very high mountain. Describe the challenges you might face regarding the weather, the terrain, and your equipment. Why must climbers be well-prepared? (5 marks)

Draw: Draw a cross-section of a mountain. Label the summit, the tree line, and a snow-covered peak. Add a small drawing of Nova the owl flying near the top to show the scale.



Extension challenge: Research task: If a climbing expedition costs £450 per person for safety gear and £250 for a guide, calculate the total cost for a group of 3 people. Total: /25