



Mountains, Volcanoes & Earthquakes - Answers

Answer Key

Section A: Mountains

1. Fold mountains form when two tectonic plates collide and push the land upwards over millions of years
2. Because there is less oxygen and lower air pressure at high altitude
3. Because there is less atmosphere to trap heat at higher altitudes
4. Accept any correct mountain range and rough location, e.g. the Andes in South America
5. Mountains often store snow and ice that melts gradually, feeding rivers that supply water downstream

Section B: Volcanoes & Earthquakes

1. Pressure builds up from magma beneath the Earth's crust until it forces its way out
2. Because earthquakes happen when tectonic plates grind or shift against each other, which mostly occurs at plate boundaries
3. An active volcano could erupt again; a dormant volcano hasn't erupted in a long time but could still erupt in future
4. Accept a reasonable answer, e.g. fertile soil for farming, or tourism opportunities
5. Accept a reasonable answer, e.g. seismographs measuring ground movement, or monitoring gas/temperature changes