

# Majestic Mountains: Earth's Giants

Join Finn the Dolphin on a journey to the highest peaks above the clouds!

- How do tectonic plates contribute to the creation of fold mountains over millions of years?
- Why does the temperature and oxygen level decrease as you climb towards a mountain summit?
- What role does wind and water erosion play in changing the shape of jagged mountain peaks over time?
- How do mountain ranges act as barriers that influence the climate and rainfall patterns of nearby regions?
- Explain the significance of the treeline and why vegetation changes drastically at higher altitudes.

*Did you know? Did you know? The tallest mountain on Earth is not actually Mount Everest! While Everest has the highest altitude above sea level, Mauna Kea in Hawaii is technically taller from base to peak. Its base sits deep on the ocean floor, making it over 10,000 metres tall in total!*

**Key vocabulary:** Tectonic plates · Summit · Altitude · Erosion · Fold mountains · Treeline · Precipitation · Topography