

Correct Answers:

Wrong Answers:

Question 1: Discuss the factors contributing to the formation of the Himalayan mountain range. Which tectonic plates are involved?

Your Answer: The Himalayas are a result of volcanic activity in the region. Over millions of years, eruptions have built up the mountain range.

Correct Answer: The Himalayas were formed due to the collision of the Eurasian and Indo-Australian plates. The Indian subcontinent moved north and collided with the Eurasian plate, causing the crust to thicken and form the mountain range.

Question 2: Explain the concept of ocean currents. How do these currents influence global climate patterns?

Your Answer: Ocean currents are caused by the gravitational pull of the moon. They have minimal impact on global climate patterns.

Correct Answer: Ocean currents are large-scale movements of water within the ocean. They are primarily driven by differences in water density, which are caused by variations in temperature and salinity. Ocean currents play a significant role in regulating global climate by transporting heat from the equator to the poles.