Worksheet: Geomorphic Processes

NIOS · Class 11 · Geography · 3 questions · 12 marks

Name: _____ Date: _____ Score: _____ / 12

Q1. Classify each process as endogenic or exogenic and identify the specific type:
(a) The Himalayan range being pushed upward at ~5mm per year by Indian Plate collision
(b) A river cutting a V-shaped valley in the mountains
(c) Magma erupting from a volcano and building a cone
(d) Freeze-thaw action breaking apart rock in the Himalayas in winter *[3 marks]*

Q2. Compare physical (mechanical), chemical, and biological weathering. For each: give the dominant process, the environment where it is most active, and one Indian example. *[4 marks]*

Q3. The Kedarnath disaster of June 2013 involved a combination of heavy rainfall, glacial lake outburst, and debris flow that killed over 5,700 people. Using the concept of mass movements, explain what happened and what geographical factors made the Kedarnath valley particularly vulnerable. *[5 marks]*