

#### Weathering – Chapter 8 sections 1 and 2

- Definition
- Types of weathering - mechanical and chemical
- Types of mechanical weathering – ice wedging, wetting and drying, biological weathering, exfoliation
- Types of chemical weathering – hydrolysis, oxidation, CO<sub>2</sub> and cave formation
- Soil –formation, soil profile

#### Erosion – Chapter 10 sections 1 and 3

- Definition
- Effect of running water
- Abrasion
- Water removal of rock materials – solution, suspension, bed load
- Pothole/plunge pools, meandering rivers and oxbows, deltas and alluvial fans

#### Glaciers – Chapter 11 sections 1, 2 and 3

- Glacier definition and types (valley and continental)
- Glacial features – arête, horn, cirque, u shaped valley, hanging valley
- Glacial deposition – erratic, esker, drumlin, moraine (terminal, lateral, medial), kames, kettle lakes

#### Wind – Chapter 12 section 1

- Ventifacts, dunes, loess

#### Waves – Chapter 12 section 3

- Sea cliffs, sea stacks, sea caves

#### Earth science 11

##### Weathering and Erosion Review

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