**Notes on Erosion and Deposition**

**Wind**

Wind causes erosion by deflation and abrasion

Wind erosion and deposition may form sand dunes and loess deposits.

**Agents of Wind Erosion:**

- deflation

- abrasion

- sand dunes

- loess

- desert pavement

**Waves**

Waves shape the coast through erosion by breaking down rock and transporting sand and other sediment.

The energy in waves comes from wind that blows across the water's surface.

**Rock Formations from waves:**

- headland cliffs

- sea caves

- sea arches

- sea stacks

**Deposits from waves:**

- beaches

- barrier spits

- sand bar

**Glaciers**

**Glaciers are any large masses of ice that can move slowly over land.**

**Glacier Erosion**

- arete

- cirque

- mountain horn

- U-shaped valley

**Glacial Deposition**

- moraine

- drumlin

- kettle lake

**Water Erosion**

**Erosion by Rivers:**

- waterfalls

- flood plains

- meanders

- oxbow lakes

**Deposits by Rivers:**

- alluvial fan

- delta

- soil on flood plains

**The 5 main factors of runoff:**

- amount of rain

- vegetation

- type of soil

- shape of the land

- use of land

**Gravity**

**Gravity is the force that moves rock and other materials downhill and moves sediment in a landslide or mudflow.**

**4 types of Mass Movement:**

- landslides

- mudflows

- slump

- creep