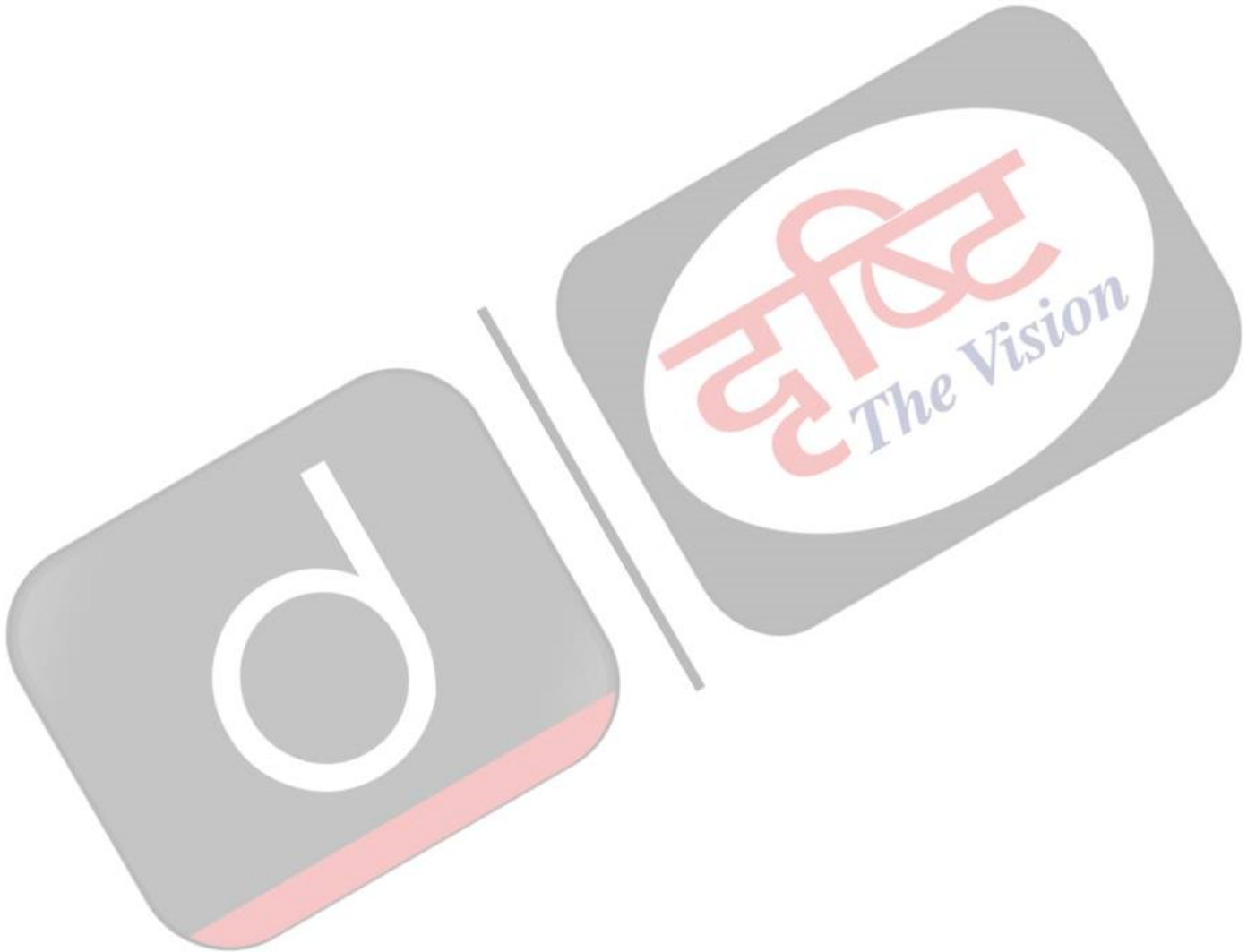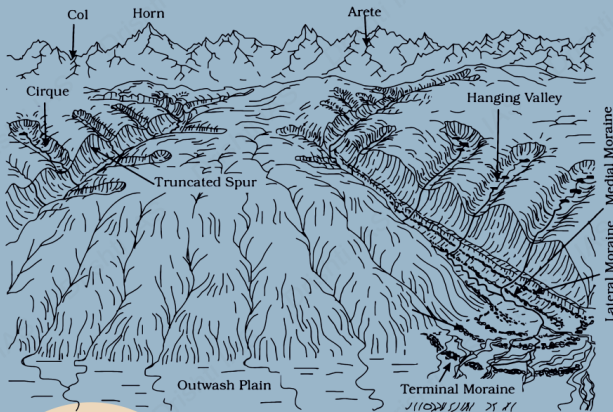# Glacial Landforms

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GLACIAL LANDFORMS

"*Glacier is any large mass of perennial ice that originates on land by the recrystallisation of snow or other forms of solid precipitation*"

EROSIONAL LANDFORMS

Col — Horn — Arete — Cirque — Truncated Spur — Hanging Valley — Medial Moraine — Lateral Moraine — Outwash Plain — Terminal Moraine

DEPOSITIONAL LANDFORMS

Retreating glacier — Drumlin field — Kettle lake — End moraine — Recessional end moraine — Esker — Karnes — Ground moraine — Bedrock — Kettle lakes — Outwash plain

Cirque/ Cirque/ Cwm
* Small glaciers and are characteristically bowl-shaped
* Found at the heads of glacial valleys

Horns and Serrated Ridges
* Form through head ward erosion of the cirque walls
* Present in areas where multiple glaciers flow in multiple directions

Glacial Valleys /Troughs
* **Trough-like** and **U-shaped** with broad floors and relatively smooth, and steep sides
* **Fjords** are deep glacial troughs filled with seawater, forming shorelines

Bergschrund
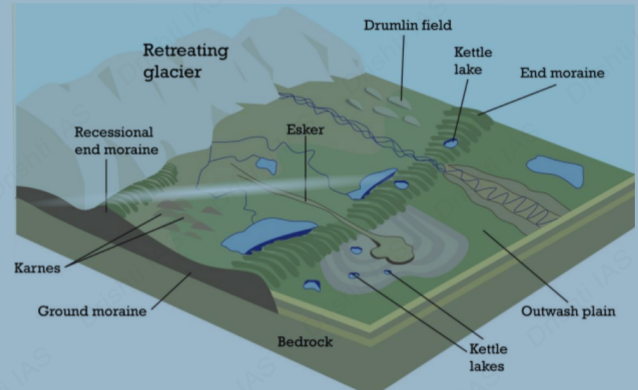* A crevasse/crack or series of crevasses often found near the head of a mountain glacier

Hanging Valley
* Form when glacier ice deeply erodes a main or trunk valley, leaving tributary valleys hanging far above the main valley floor.

Crag and Tail
* **Crag:** Mass of hard rock with a precipitous slope.
* **Tail:** Formed by the deposition of glacial debris or till as the glacier retreats.

Moraines
* **Lateral Moraines:** Form on the sides of glaciers
* **Ground Moraines:** Deposits varying greatly in thickness and in surface topography
* **Medial Moraines:** Form where two tributary glaciers come together

Eskers
* Winding ridges of sand and gravel formed by streams flowing within or beneath glaciers

Outwash Plains
* Deposit of sand and gravel carried by running water from the melting ice of a glacier

Drumlins
* Hills of sediment that have been streamlined by glacier flow.
* Up to 1 km in length and 30 m or so in height
* So commonly described as having a *basket of eggs' topography*

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