

2. slope - water flows faster on steep slopes
3. Volume of H₂O - the more water there is in a stream, the faster the water will flow.

a. discharge - is the amount of water in a stream

v. watershed - is the area drained by a stream and its tributaries.

1. tributary is a small stream or creek that flows into a larger one

2. Most erosion caused by running water takes place during a flood

3. gravity pulls water downhill while friction slows the water down.

4. The fastest flow of water is commonly found at mid-stream just below the surface.

5. meanders are s-shaped curves found in some streams.

6. Erosion takes place on the outside of a curve in a stream while deposition takes place in the inside of a curve.

7. Valleys formed by running water are V shaped.

c. wind - horizontal movements of air

i. Wind can pick up loose loose materials like sand, silt and clay.

ii. Wind erosion occurs mainly in dry areas like deserts and windy areas like shorelines.

iii. Abrasion happens due to the bouncing around of rock as the pieces are carried in the wind.

iv. Wind generated features include sand dunes and sand blasted rock.

v. ventifacts - are rocks that are "pitted" and triangular shaped.

d. Glaciers - masses of moving ice and snow

i. If more snow accumulates in the winter than melts in the summer, the bottom turns to ice.

ii. As a glacier moves it carries, pushes and drags loose rock material with it.

iii. Glacial features include parallel scratches and grooves in bedrock (called striations).

iv. When ice melts - unsorted rocks and boulders are left scattered around on hilltops and sides of valleys.

v. Valleys formed by glaciers are U shaped.

e. Wave action -

i. Erosion and deposition cause changes in shoreline features like:

ii. Wave action rounds sediments as a result of abrasion.

iii. Waves approaching a shoreline move sand parallel to the shore.

VI. Effects of Agents of Erosion

a. Each agent of erosion causes characteristic changes in the particles that it carries.

○
water

△
wind

☆
glaciers

∩
gravity