WORK OF RIVER

PRESENTED BY

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WHAT IS A RIVER ???

- According to ***Encyclopedia***:- "A River is a ribbon-like body of water that flows downhill from the force of gravity."
- According to ***Wikipedia***:- "A river is a natural flowing watercourse, usually freshwater, flowing towards an ocean, sea, lake or another river."
- A flowing body of water that is smaller than a river is called a **stream, creek, or brook.**
- All rivers have a starting point where water begins its flow its called ***Origen of River***. This source is called a headwater.
- The other end of a river is called its ***Mouth***, where water empties into a larger body of water, such as a lake or ocean.

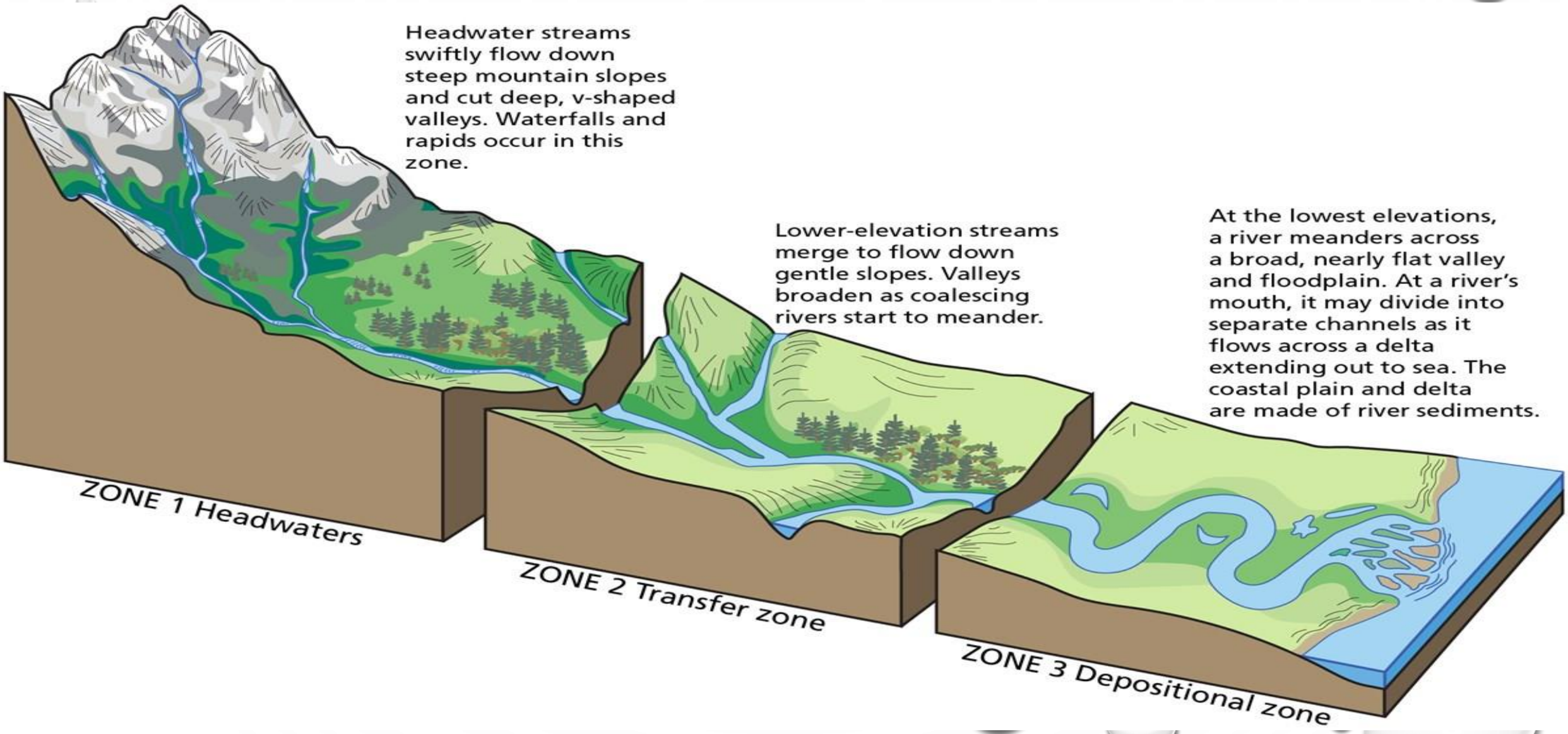
There are three main types of processes that occur in a river.

- Erosion
- Transportation
- Deposition

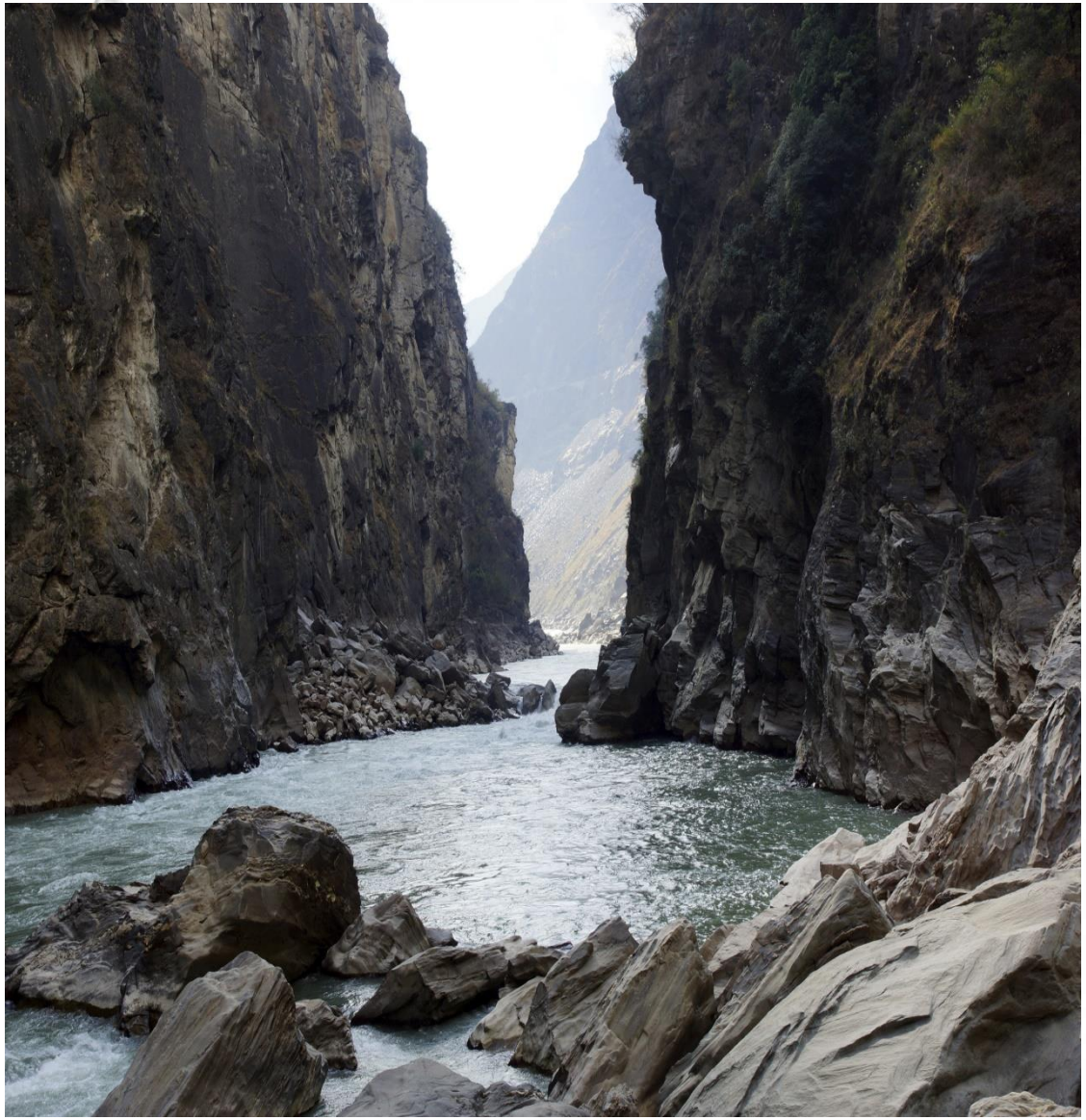
Factors affecting on Erosion of river

1. Velocity of the River
2. The volume of the water
3. The nature of the land
4. The amount of the load of the river
5. The nature of rock

STAGES OF RIVER



Gorge




Steep Valley Sides
Large Bedload
Valley Floor (often containing a river) – Narrow and Shallow

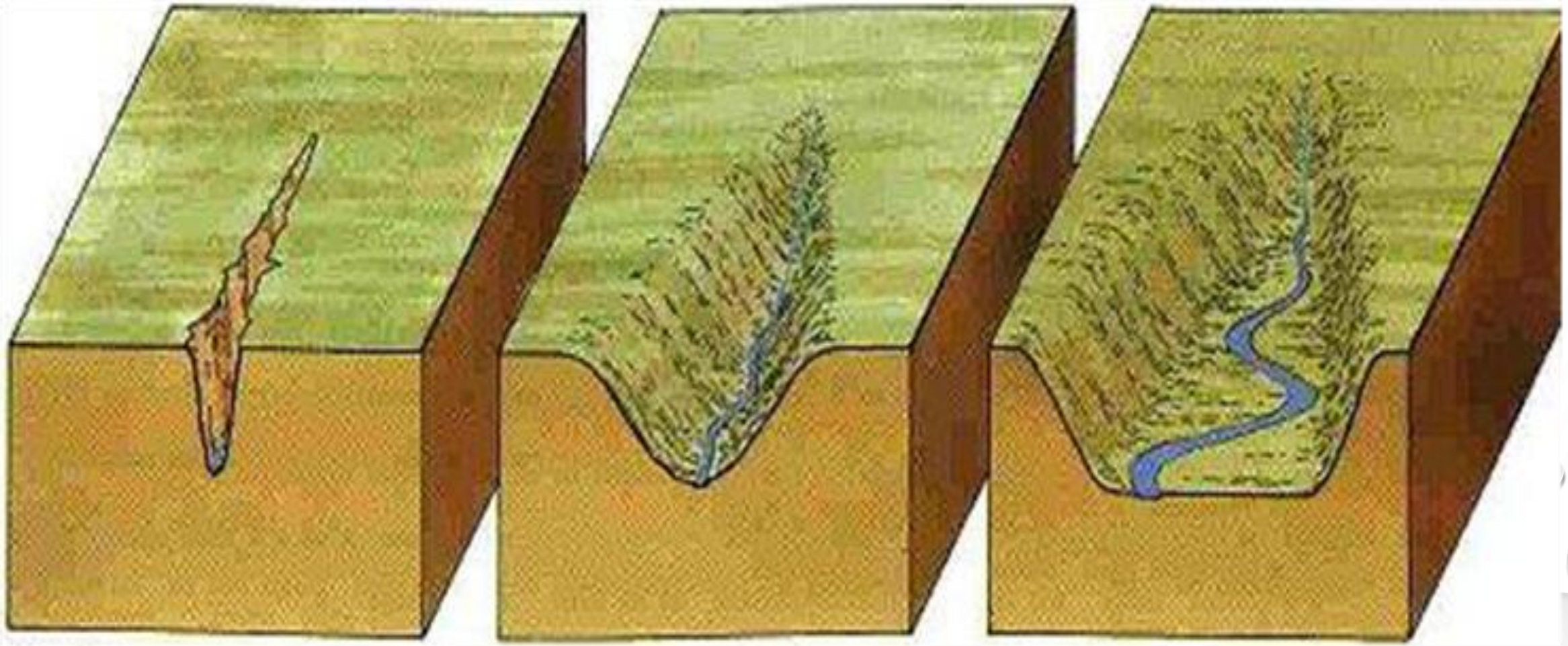
HOW IS A GORGE FORMED?

This is Hell Gill waterfall, which is situated at the source of the River Eden

© Eden Rivers Trust, 2015

Erosional Landforms of River

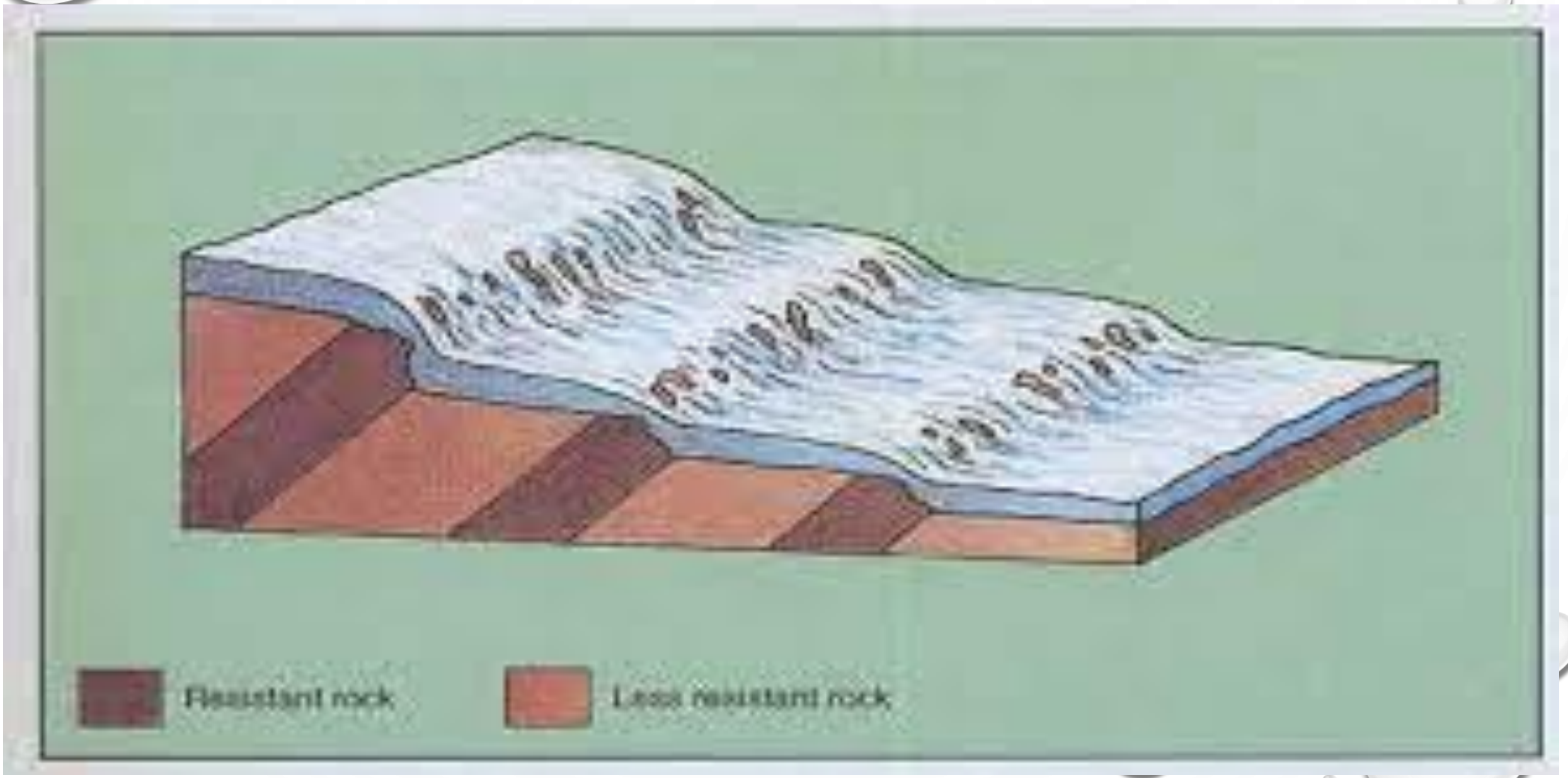
- **‘V’ shaped Valley**



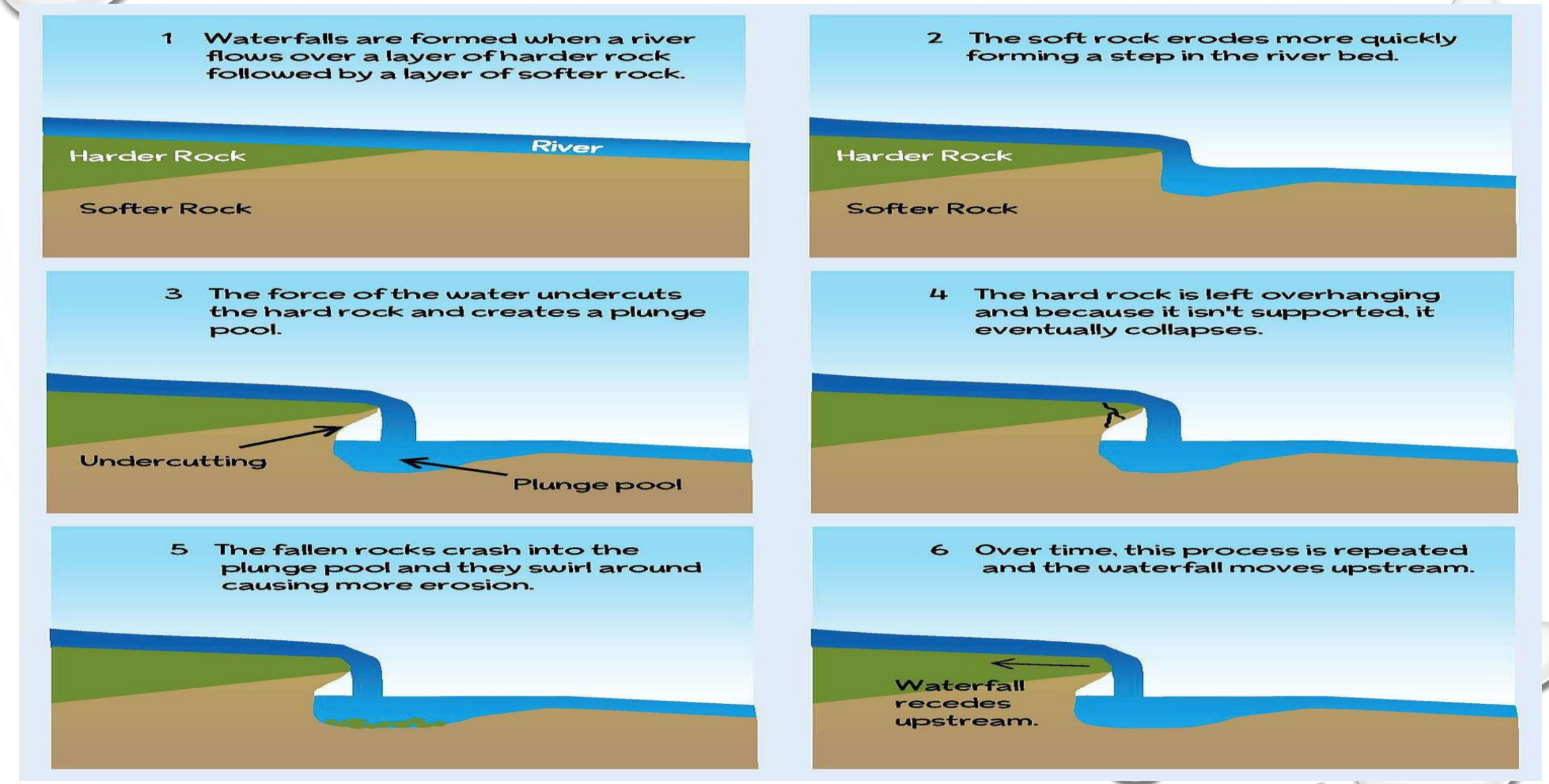
River Features

Formation of V shaped valleys

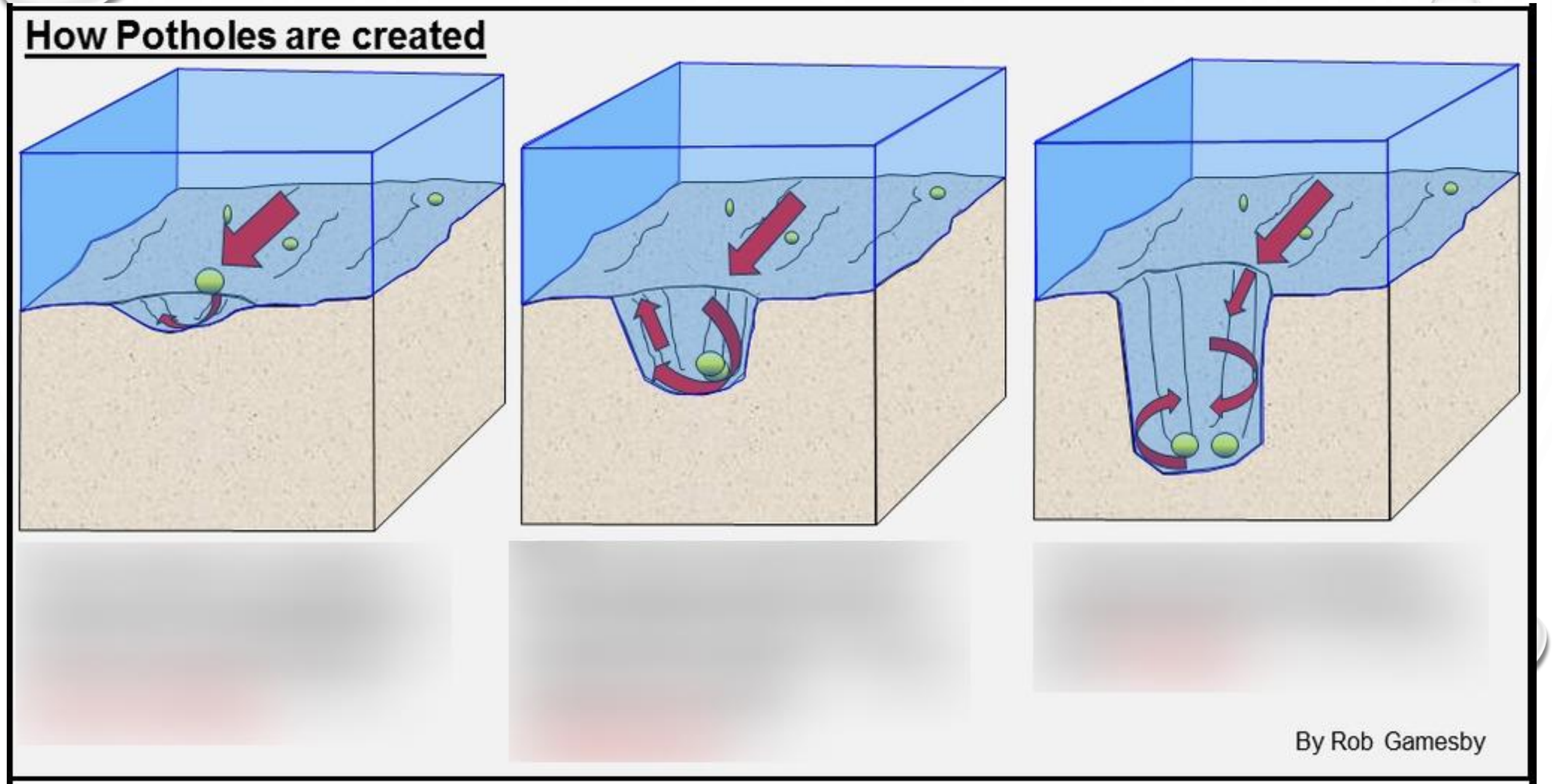
Rapid



Waterfall


1 Waterfalls are formed when a river flows over a layer of harder rock followed by a layer of softer rock.
River
Harder Rock
Softer Rock
2 The soft rock erodes more quickly forming a step in the river bed.
Harder Rock
Softer Rock
3 The force of the water undercuts the hard rock and creates a plunge pool.
Undercutting
Plunge pool
4 The hard rock is left overhanging and because it isn't supported, it eventually collapses.
5 The fallen rocks crash into the plunge pool and they swirl around causing more erosion.
6 Over time, this process is repeated and the waterfall moves upstream.
Waterfall recedes upstream.

Pot holes



Depositional Landforms of River

Meander and Ox-Bow lake

www.jeetobharat.com

MEANDERS

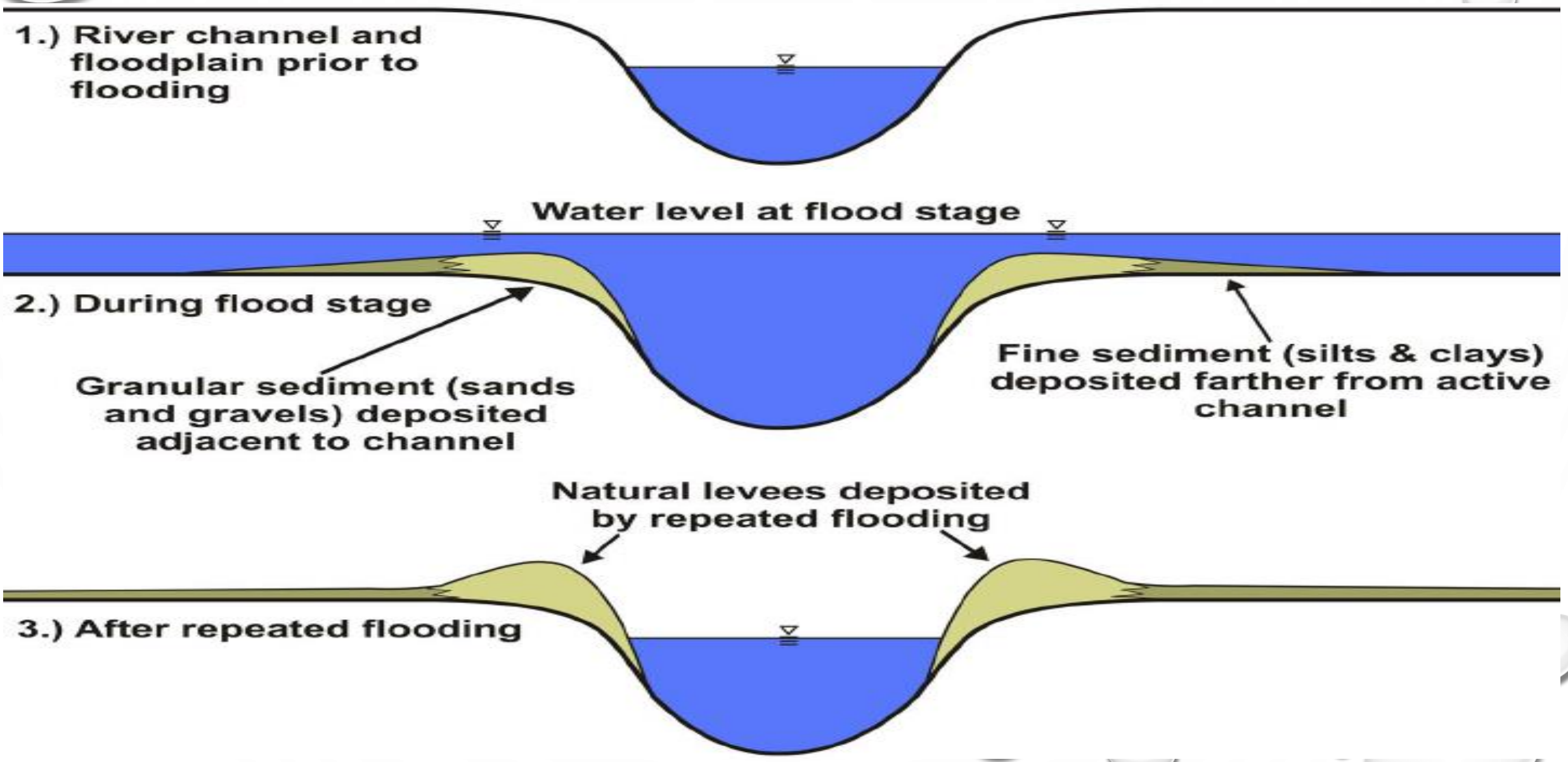
COMPETE INDIA


Minute
Earth
Courtesy of Shutterstock

River Features

Meanders & Oxbow lakes

Flood Plain and Levees



Deltas


Liverpool
John
Moores
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