

Schedule for one Week

15 Nov → 21 Nov

9:30 - 11:30



KHAN GLOBAL STUDIES

The Most Trusted Learning Platform

UPPSC – 2023

LIVE CLASSES

GEOGRAPHY

BY – AJEET SIR

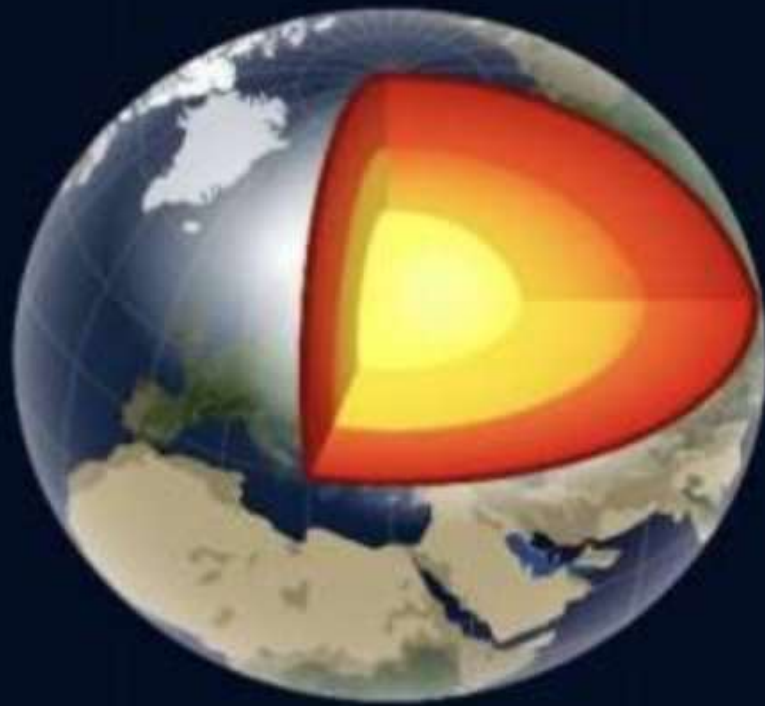


आंतरिक एवं बाह्य बल

Pre.

Mains

ENDOGENIC & EXOGENIC FORCES



Endogenic



Exogenic



आंतरिक एवं बाह्य बल

Endogenetic and Exogenetic Forces

⇒ भूसांख्यिक प्रक्रिया / Geomorphologic Process.

⇒ आंतरिक एवं बाह्य बल / Endogenetic and Exogenetic Forces

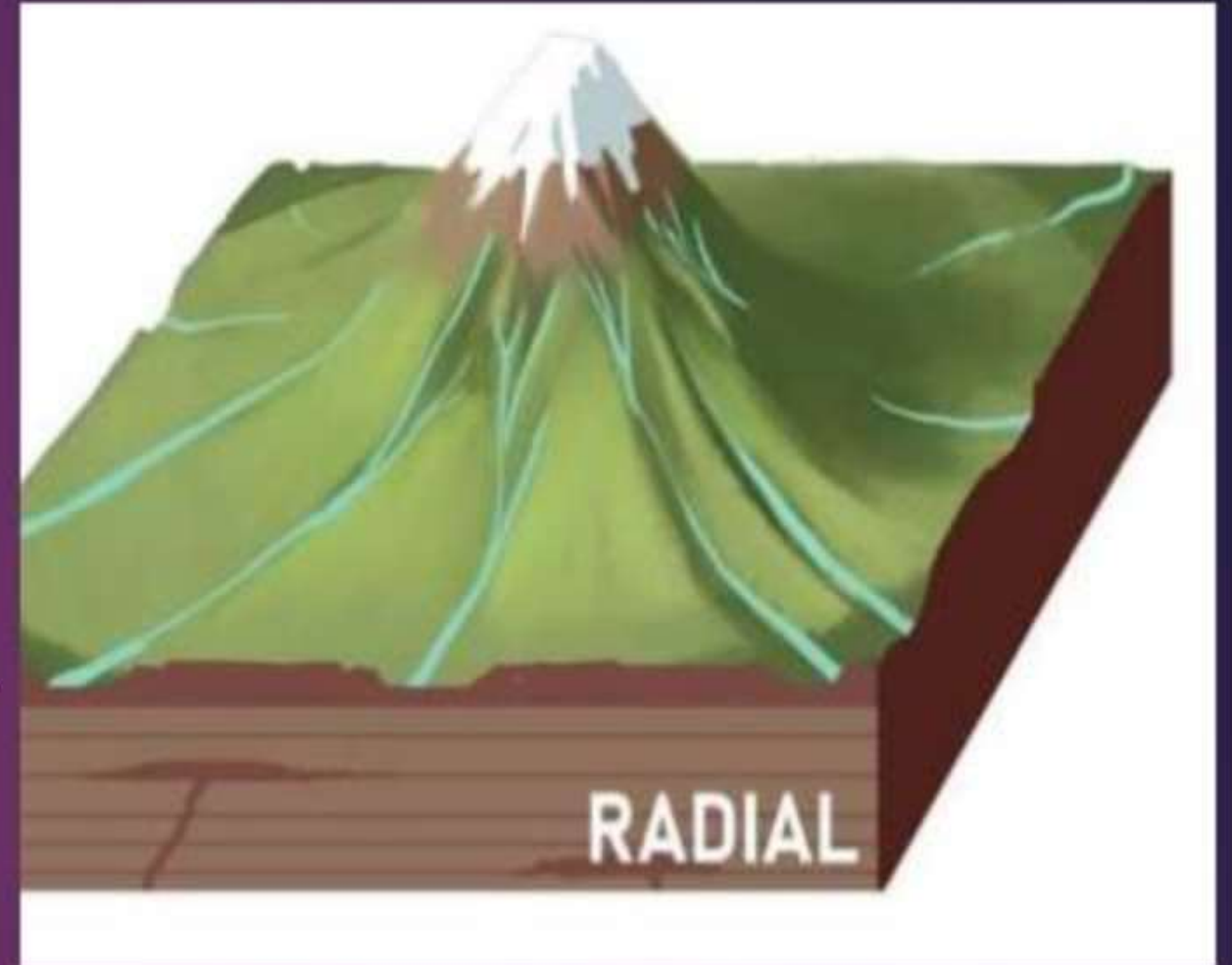
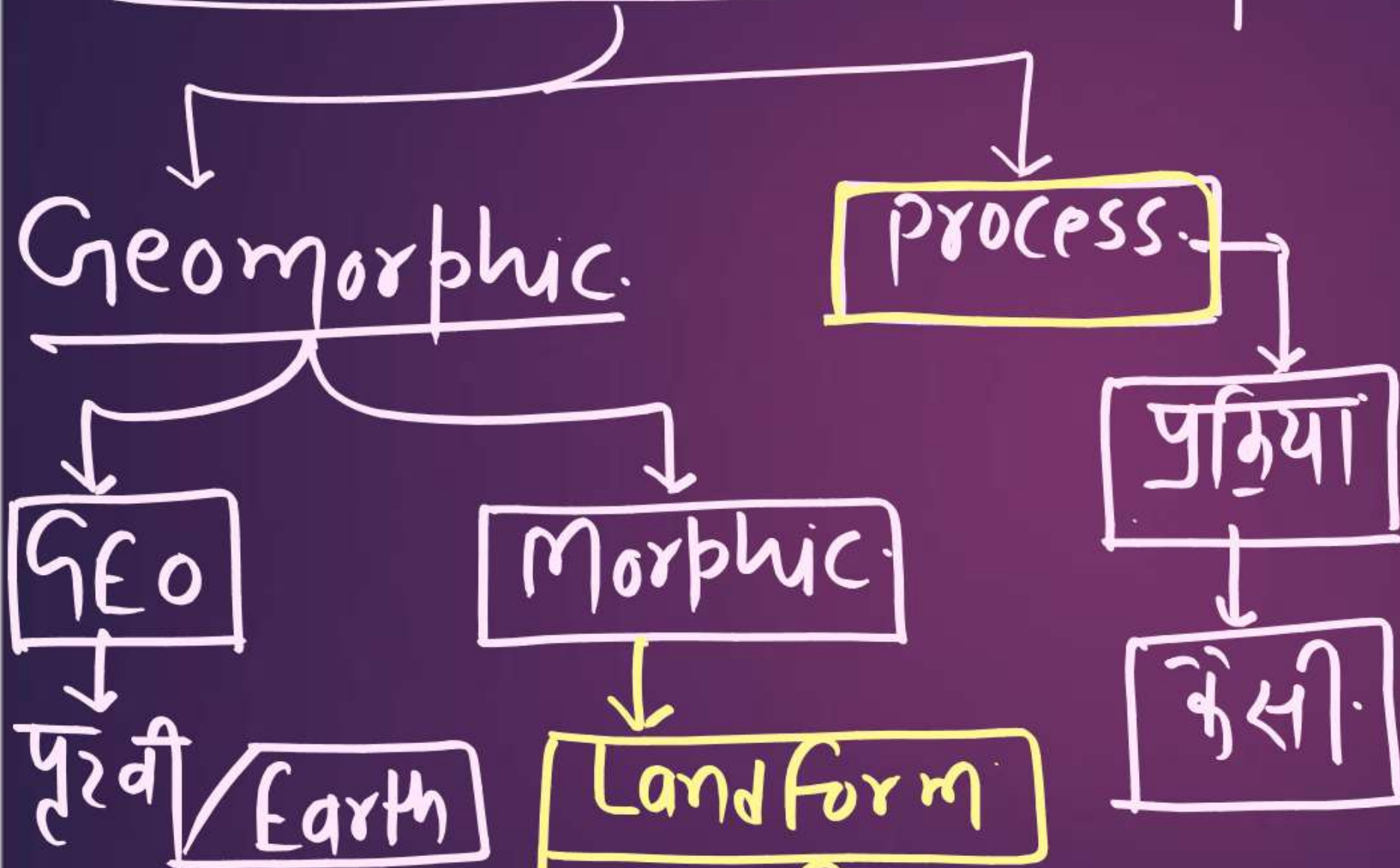
⇒ आंतरिक बल के उत्पत्ति के कारण / Causes of Endogenetic Forces

⇒ आंतरिक बल का वर्गीकरण / Classification of Endogenetic

⇒ बाह्य बल का वर्गीकरण / Classification of Exogenetic

GEOMORPHIC PROCESS

भूआकृतिक प्रक्रिया



आकृति / Topography / Relief

भूआकृतिक प्रक्रिया



एक ऐसी प्रक्रिया जिसके कारण पृथ्वी सतह पर आकृतियों का विकास होता है।

Geomorphic process

The process that is responsible for formation of Land form at the Earth Surface.

भूआकृतियां	→ Mountains / पर्वत
	→ Plateaus / पठार
Land form	→ Plain / मैदान
	→ Valleys / घाटी

Land Forms. → formation निर्माण

कैसे

- पर्वत / Mountains
- पठार / Plateaus
- मैदान / Plains
- घाटी / Valleys

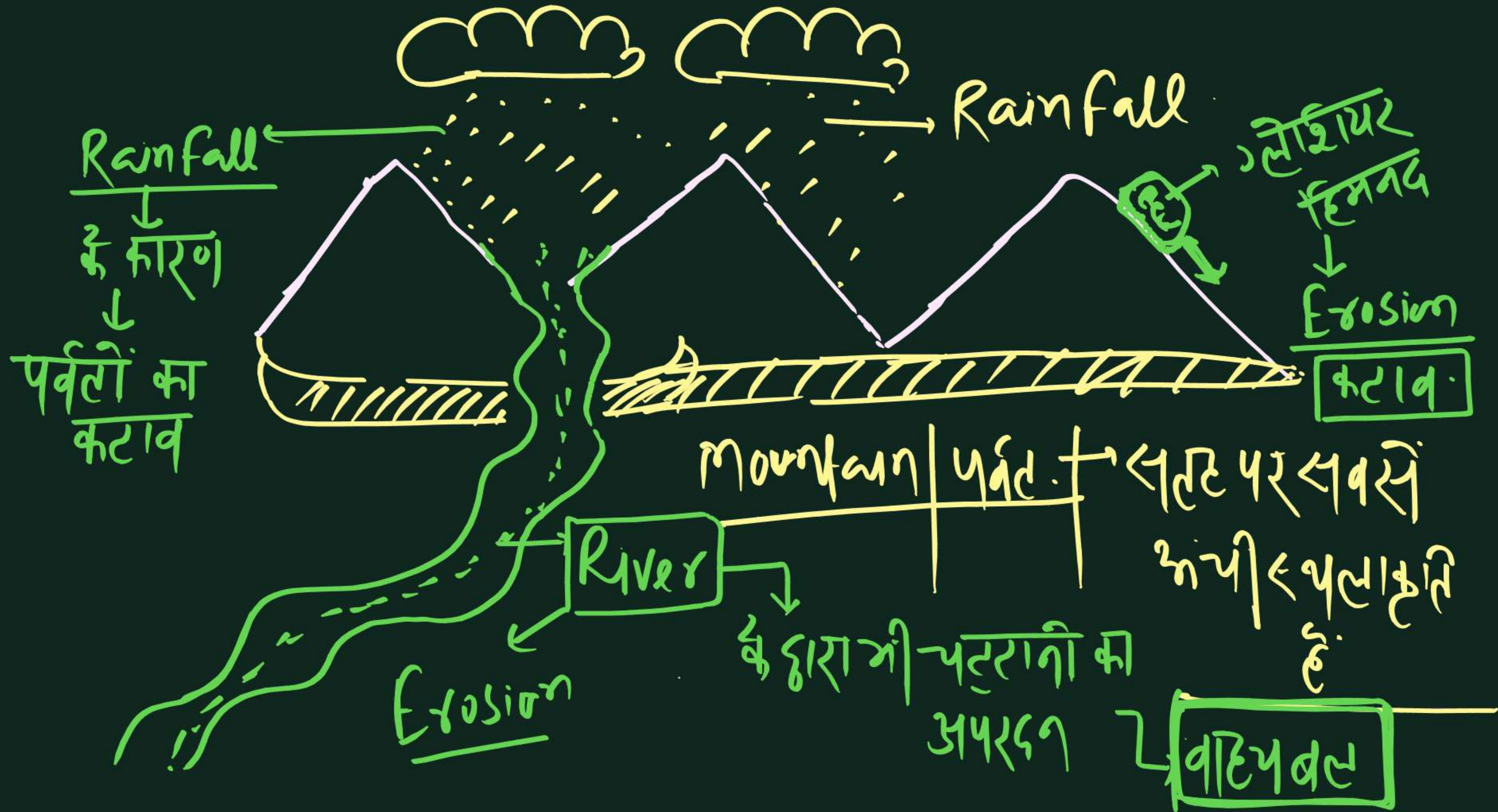
पर्वत / Mountain

क्षतर पर ऊंची स्थलाकृति का उदाहरण है।
क्षतर / Surface

आंतरिक भाग
Inner Part



Endogenetic force आंतरिक बल



Geomorphic Process. भूभाूतिक प्रक्रम



both work together.

but intensity can be different

किन्तु दोनों की तीव्रता अलग-अलग ही हो सकती है।

अलग-अलग कार्य ना करके एक साथ कार्य करते हैं।

Case 1

→ आंतरिक बल

> बाह्य बल

Endogenetic Force > Exogenetic Force

उत्तल / Convex



↓
Slope
↓
Convex
→ उत्तलता का निर्माण



अपीक्षलता का
विकास

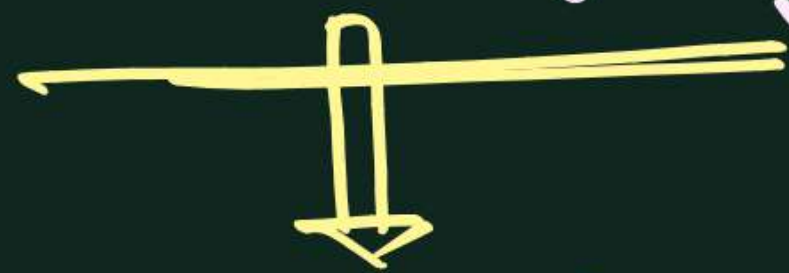
Formation of Mountains and Plateaus

पर्वत
पठार

Case 2.

आंतरिक बल = बाह्य बल

Endogenetic force = Exogenetic force.



Slope/ढाल \rightarrow Plain
समतल ढाल.

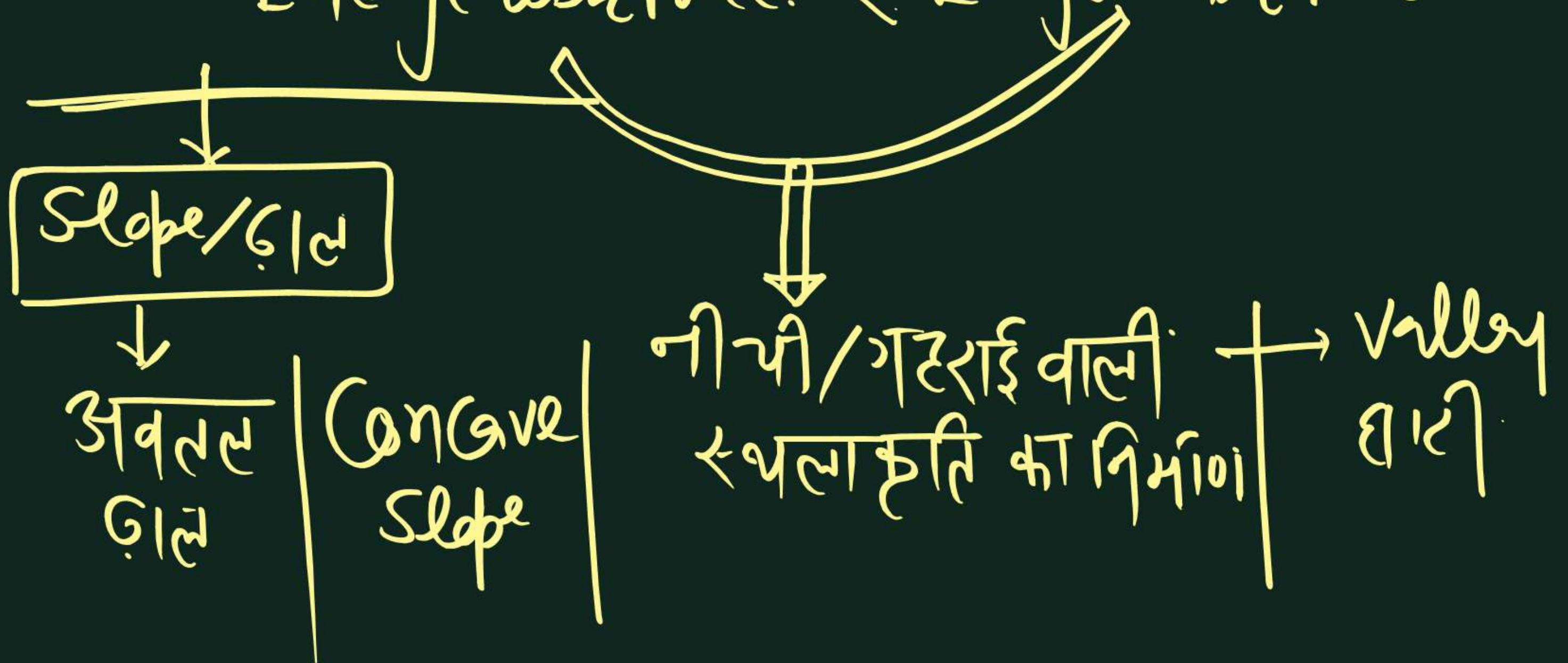
Formation of Plain Surface

समतल स्थलाकृति का निर्माण/विकास

Case 3.

आंतरिक बल < बाह्य बल

Endogenetic force < Exogenetic force



Ques. → पृथ्वी सतह पर उपस्थित स्थलाकृतियां आंतरिक एवं वाह्य बल का परिणाम होती हैं।

Land form at The Earth's surface is the Result of Endogenetic and Exogenetic forces.

150 Words.

Land Form
स्थलाकृति

Ques

①

निसके बारे में पूछा गया है?

Central Part of The Question

How/कैसे

②

प्रश्न निसके बारे में क्या पूछा गया है?

Demand of The Question

आंतरिक एवं वाह्य बल
स्थलाकृति निर्माण का कारण हैं।

Demand

Impo. → स्थलाकृति / Land form.

पृथ्वी सतह समतल सतह ना होकर असमरूप / उबड़-खाबड़ सतह का उदाहरण है जिसका प्रमुख कारण पृथ्वी सतह पर उपस्थित प्रमुख स्थलाकृतियां हैं ये स्थलाकृतियां पर्वत, पठार, मैदान, घाटी, महाद्वीप, महासागर इत्यादि हैं.



सतह पर उपस्थित ये स्थलाकृतियां दो बलों आंतरिक एवं बाह्य बलों का परिणाम होती हैं ये बल निम्न रूपों में स्थलाकृति का निर्माण करती हैं

Ques 3 - आंतरिक बल < बाह्य बल \longrightarrow

Conclusion \longrightarrow

इस प्रकार यह स्पष्ट होता है कि सतह पर
उपस्थित अलग-अलग क्षमताएँ का विकास
का कारण आंतरिक एवं बाह्य बल हैं अर्थात्
क्षमताएँ आंतरिक एवं बाह्य बलों का
परिणाम होती हैं।

Geomorphic Process

Endogenic

Exogenic

Weathering

Erosion

Depositor

Sudden Movement

Diastrophism

Volcanism

Earthquakes

Epeirogenic

Orogenic

Tension

Compression

Upward

Downward

Exogenic force

Orogenic force

जो बल जिससे पर्वत का निर्माण होता है। The force that is

responsible for formation of Mountain

वे बल जिसके कारण
भूदृष्टियों का निर्माण होता है।

The force that is responsible for formation
of Continents.

पर्वत निर्माणकारी बल

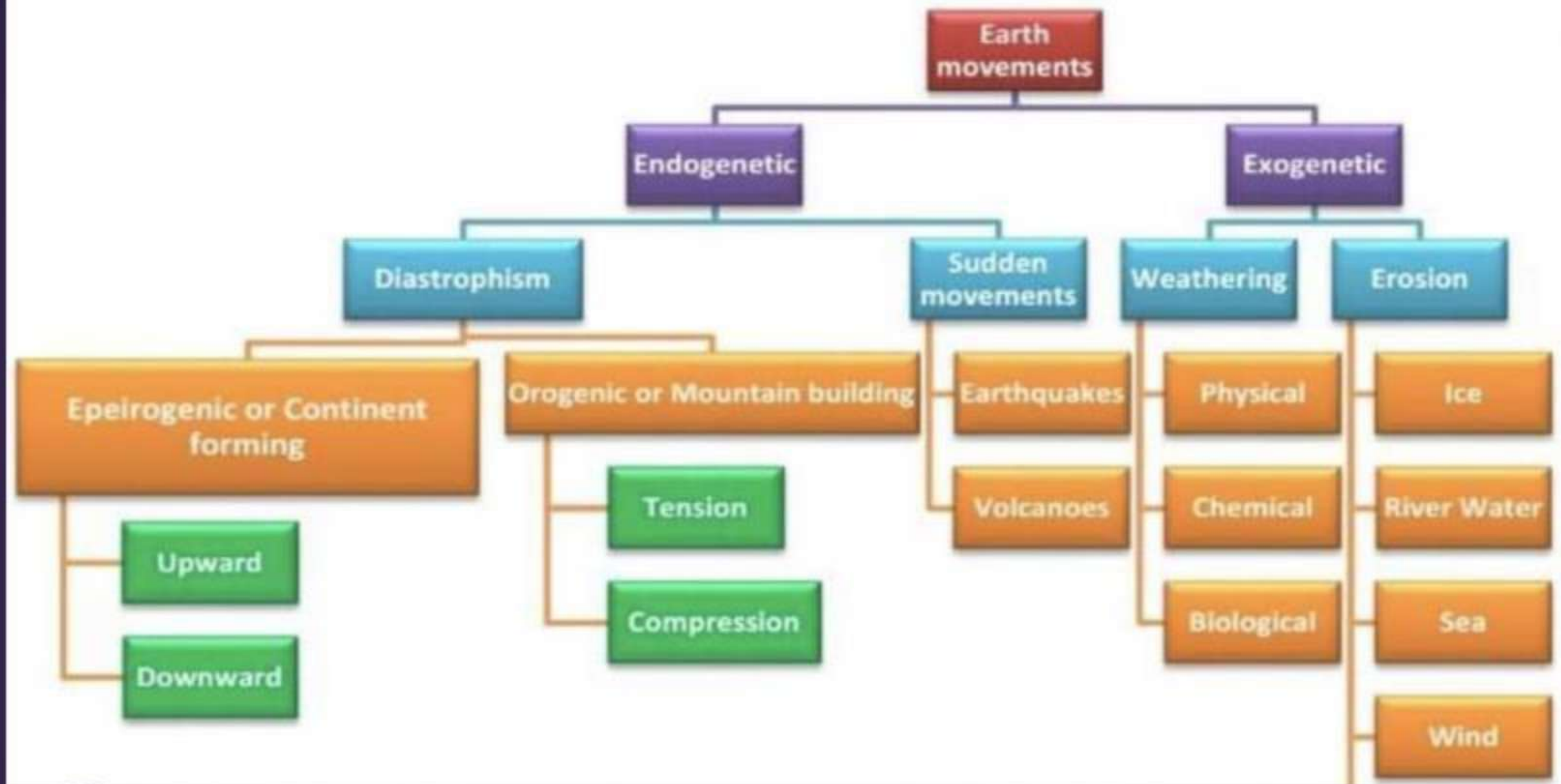
भूदृष्टिजनक

संपीड़न बल
Compressive
force

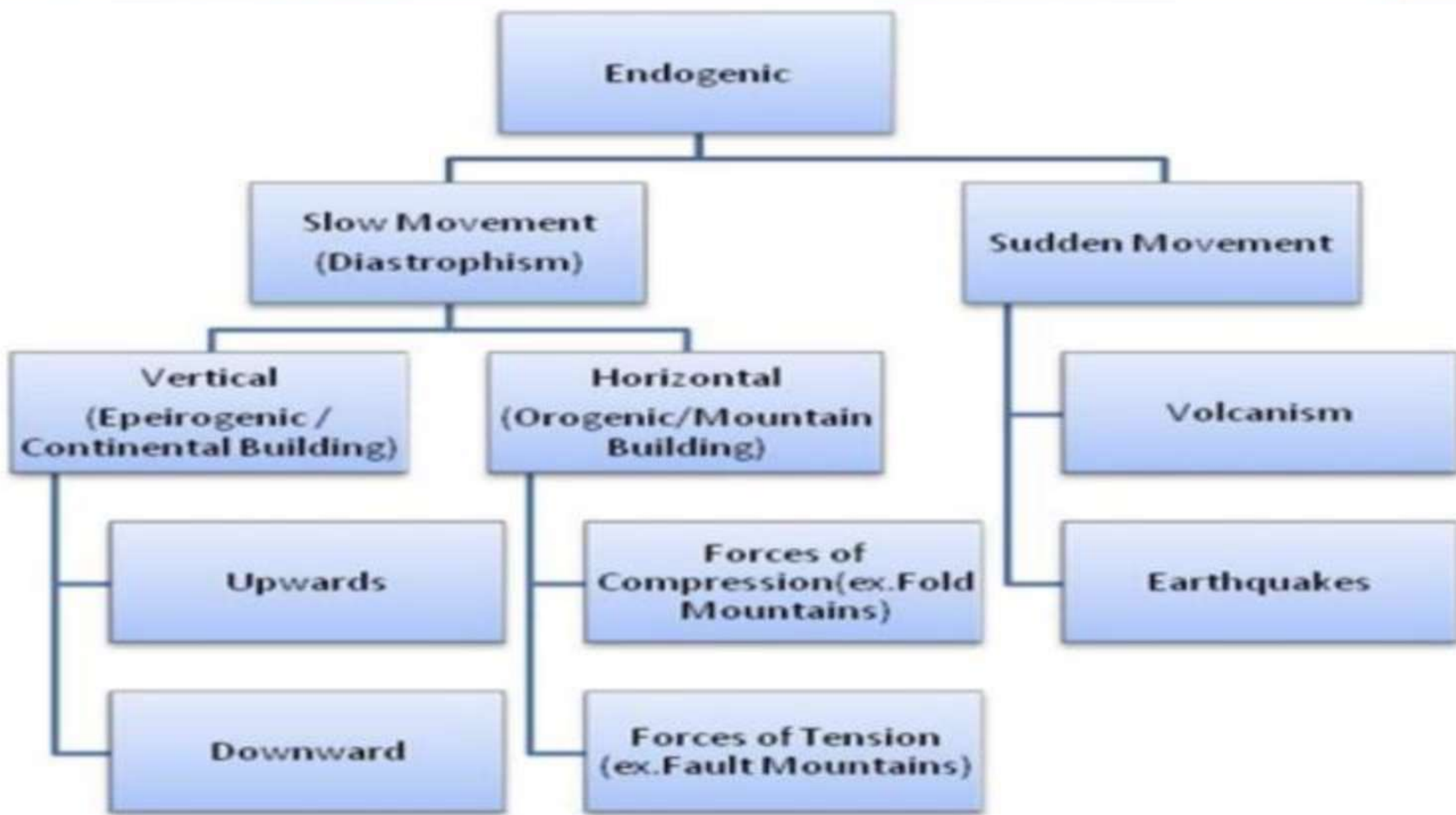
तनाव मूलक बल
Tensile force

उत्थान
Upliftment

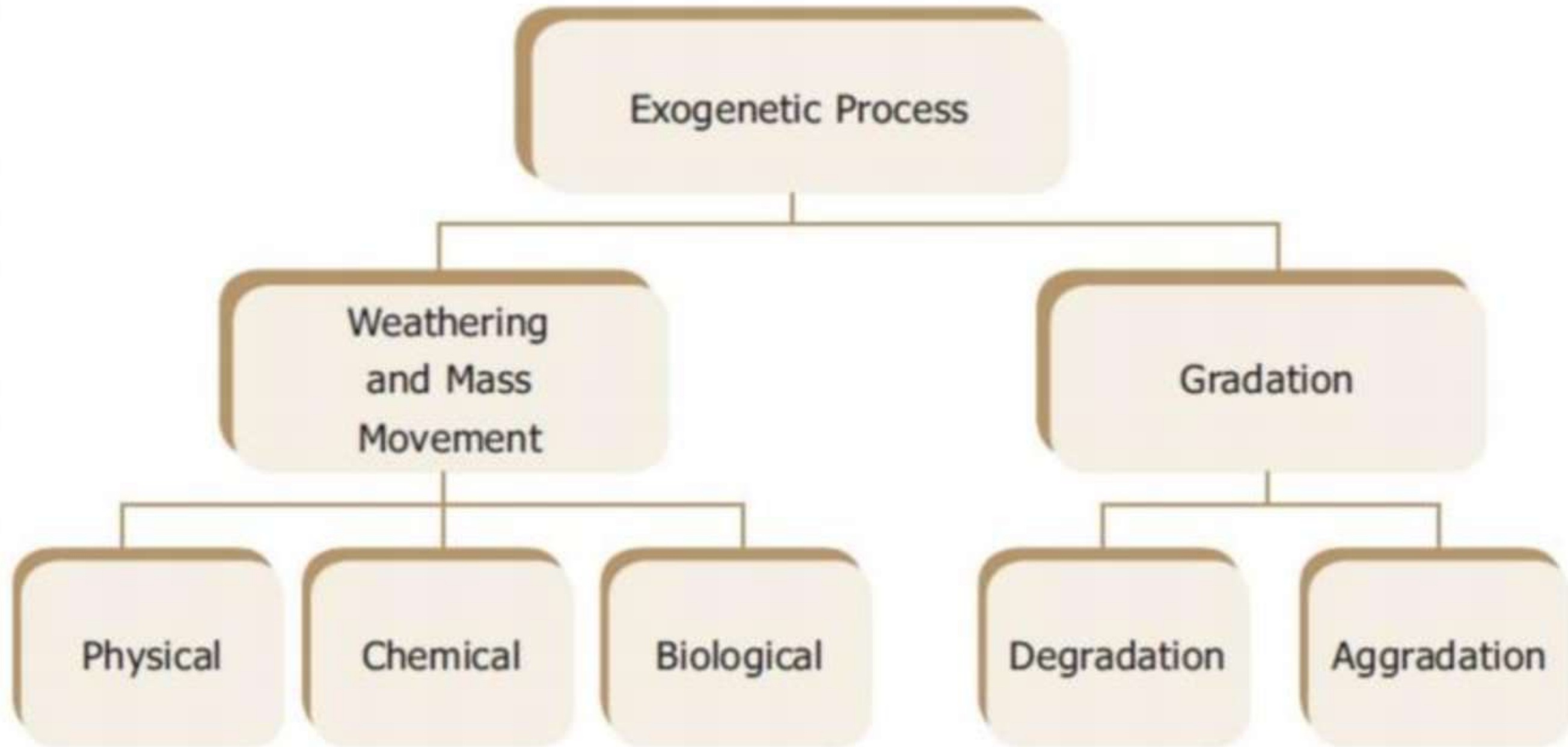
अवनमन
Submerged



ENDOGENETIC FORCES



EXOGENETIC FORCES



Exogenic processes

Weathering

Water, Heat, Cold, etc act on rocks

Disintegration and decomposition

insitu

without movement

Hill

outside agents

rock Disintegration and decomposition

Mass movement

Weathered material

Primarily because of Gravity

Landslide

Gravity central role

Water

Secondary agent, like lubricating

Movement of the

Weathered material

Primarily because of Gravity

Erosion

Movement of the

Weathered material

Primarily by an agent of Water, Wind etc

Gravity may have secondary role



ENDO GENETIC FORCES

DIASTROPHISM

DIASTROPHISM

SUDDEN MOVEMENT



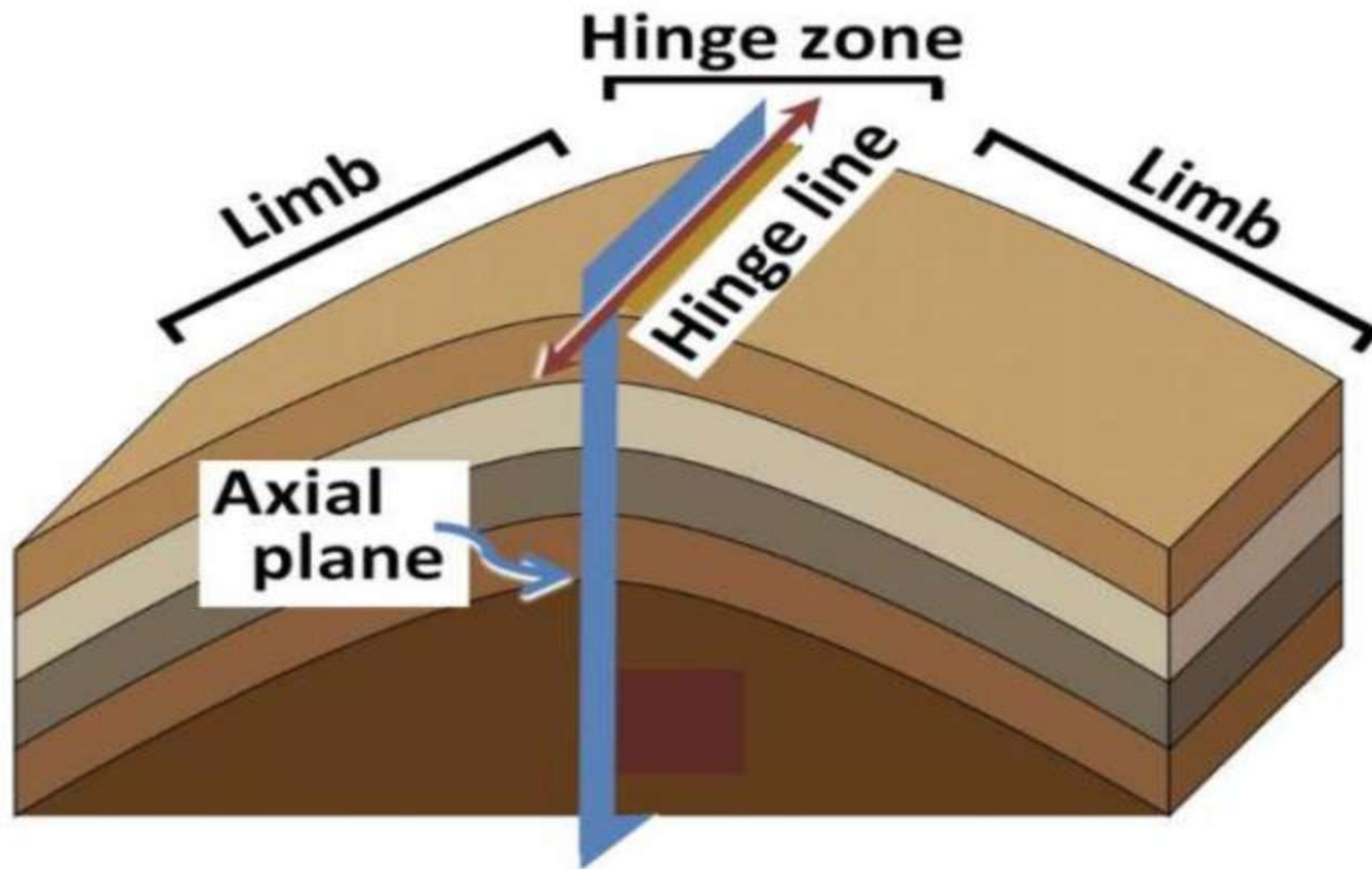
OROGENIC FORCES



COMPRESSIVE FORCES

A large, stylized orange cloud shape with a thin black outline, featuring several small circles at its base. It is positioned in the upper left quadrant of the slide.

FOLDING



An orange, stylized cloud with a scalloped border and three small spiral tails hanging from its bottom edge. It is centered in the upper half of the slide.

TYPES OF FOLD



Symmetrical Fold

These are folds where the axial plane is vertical and both limbs incline uniformly. They are formed when compressive forces regularly act with moderate intensity



Asymmetrical Fold

They are folds where the axial plane is inclined and the limbs of the anticline dip in opposite directions. One limb is longer with a moderate inclination, while the other is shorter with a steep inclination

Overturned Fold

It is a type of fold where the axial plane is inclined and both limbs dip in the same direction but at different angles



Isoclinal Fold

These are folds where two limbs dip at equal angles in the same direction.

They are formed when the compressional forces are so strong that the limbs become parallel.



Recumbent Fold

Recumbent folds are characterised by a horizontal axial plane. They are formed when compressive forces are so strong that the limbs become parallel and horizontal. Such recumbent folds are widely found in the Alps



Chevron Fold

These are folds with sharp
and angular crests and
troughs



Fan Fold

When the limbs of a fold are overturned to such an extent that it looks like a fan, it is called a fan fold



Open Fold

Folds, where the angle between two limbs is usually greater than 90 degrees but less than 180 degrees, are called open folds. The rock beds have the same thickness throughout the fold in such folds. They are formed due to moderate compressional force



Closed Fold

Folds, where the angle between two limbs is usually less than 90 degrees but less than 180 degrees, are called open folds.



Nappes



Nappes

These folds result from complex folding mechanisms due to intense horizontal movement and high compressional forces. They are formed from recumbent folds. The crest of recumbent folds is weak and has cracks. When there is further intense compressional force, one limb of the fold slides forward and overrides the other. Such features are called Nappes



Anticlinorium

An anticlinorium is formed when there is a series of minor anticlines and synclines within one extensive anticline



Synclinorium

A synclinorium is formed when there is a series of minor anticlines and synclines within one extensive syncline