

Q1) Difference between Endogenetic and Exogenetic forces.
The differences are as follows.

Endogenetic Forces	Exogenetic Forces
i) Endogenetic forces originate from the internal forces that exist deep inside the earth.	i) Exogenetic forces are the external forces that operate and act on the surface of the earth.
ii) Endogenetic forces produce effects that are visible only after it causes sudden damage.	ii) Exogenetic forces create changes visible over a period of thousands or millions of years.
iii) It causes natural devastation and physical change in the earth's surface like earthy waves, volcanoes and formation of mountains or valleys.	iii) It causes physical changes in the earth's surface like sea, sand dunes etc.
iv) Fold mountains, Intermountain plateau and rift valley are formed as a result of endogenetic forces.	iv) Alluvial plains, Residual mountains, Dissected plateau are formed as a result of exogenetic forces.

Q2) Difference between weathering and Erosion.
The differences are as follows.

Weathering	Erosion
i) Weathering is the displacement of solids by wind, water and ice.	i) Erosion is the ^{disintegration} decomposition of ^{particles} rocks, soil and minerals by direct contact with the atmosphere.
ii) The weathered materials are not displaced.	ii) The eroded materials are displaced.
iii) The different types of weathering include physical, chemical and biological weathering.	iii) The different types of erosion are water, wind, ice, thermal and gravity erosion.

iv) weathering is caused due to atmospheric factors like air pressure, wind, water, ice and human activities are some of the causes of erosion.

3) Difference between Aggradation and Degradation
 Ans The differences are as follows.

Aggradation
 i) Aggradation refers for the increase in land elevation, typically in a river system, due to the deposition of sediments.

Degradation
 i) Degradation refers to the lowering of a fluvial surface, such as a stream bed or flood plain through erosional processes.

ii) It refers to an increase in the base level of a river.

ii) It refers to a decrease in the base level.

iii) Alluvial and delta plains are formed.

iii) Peneplain and pediplain are formed.

4) Difference between Epigenetic and Orogenic.
 Ans The differences are as follows.

Epigenetic
 i) Occurs vertically
 ii) It results in the formation of block mountains, Rift valleys, continents.

Orogenic
 i) occurs horizontally
 ii) It results fold mountains.

5) Name the landforms produced by diastrophism and sudden movement.

Ans The landforms produced by diastrophism are Rift valley, Block mountain, submerged and emerged coasts and the landforms produced by

sudden movement etc.

6) What are the agents of sea waves?
 Ans The agents of sea waves

7) What are the two types of upliftment?
 Ans The two types of upliftment

8) What are the two types of erosion and

9) Define Mountain
 Ans An extensive area above sea level and steep

10) Classify Mountains
 Ans Mountains

(i) Fold Mountains (ii) Residual (iii) Block Mountains (iv) Rift Mountains (v) Sedimentary Mountains

(i) Displacement (ii) Block mountains (iii) Residual mountains (iv) Fold mountains (v) Volcanic mountains

udden movement are volcanic mountain, lava plateau etc.

6) What are the agents of endogenous forces?

Ans The agents of endogenous forces are rivers, glaciers, wind sea waves

7) What are the two phenomena in Epigenetic movement?

Ans The two phenomena in Epigenetic movement are upliftment and subsidence.

8) What are the two divisions of orogenic movement?

Ans The two divisions of orogenic movement are compression and tension.

9) Define Mountain.

Ans An extensive area of the earth's surface which rises over 1000m above sea level with conical peaks, broad base, deep gorges and steep slopes is known as Mountain.

10) Classify Mountain. Define each of them with example.

Ans Mountains are of four types based on their mode of formation.

(i) Fold Mountains (ii) Block (or Fault) mountains (iii) Volcanic mountains (iv) Residual Mountains.

(i) Fold Mountain - They are formed due to the folding of soft sedimentary rock layers of the earth's crust. Eg the Himalayas

(ii) Displacement -

(ii) Block mountain - They are formed by the displacement of isolated blocks of rocks due to the fracture or fault produced on the earth's crust by compressional or tensional forces on hard rocks. Eg. Satpura in India, Vosges in France

- (iii) Volcanic Mountain Aggradation of accumulated lava, ash and dust ejected from the magma chamber in the central vent, eventually, develop volcanic mountain.
- (iv) Residual or block mountain - Denudation or prolonged erosion of pre-existing mountain may, even

11) Defore Fold Mountain. Name the young and old fold mountain

Ans The mountains which are formed due to folding of soft sedimentary rock layers of the earth crust are called Fold Mountains.

The young Fold Mountains are the Alps, Himalayas, Rockies and Andes etc.

The old Fold Mountains are the Appalachian Range, the Appalachians and the Vival Mountains.

12) What are the characteristics of Fold Mountains?

Ans The characteristics of fold mountains are

- i) They occupy extensive area.
- ii) They are associated with anticlines and synclines.
- iii) Have several narrow peaks at summit.
- iv) They are formed by orogenic movement.
- v) They are made up of sedimentary rocks.

3) Discuss the origin of fold mountains according to Plate Tectonic Theory.

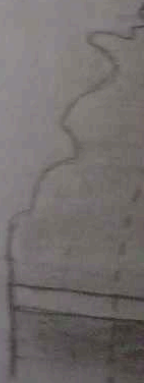
Ans Plate Tectonic Theory is one of the most important theories regarding the origin of the Fold mountains. D.L. Piche, the father of this theory explained Plate Tectonic Theory in 1968. According to this theory, continental crust consists of seven big plates, eight medium plates and twenty small plates. The seven big plates are Eurasian plate, Pacific Ocean

plate, North American plate, South American plate. Plates are separated from below oceanic crust are located

Plates are floating on the asthenosphere which moves at a rate of 2cm per year. Boundaries of diverging plate boundary and

14) Defore Block diagram

Ans The mountain crust by fault lines, mountain in Germany

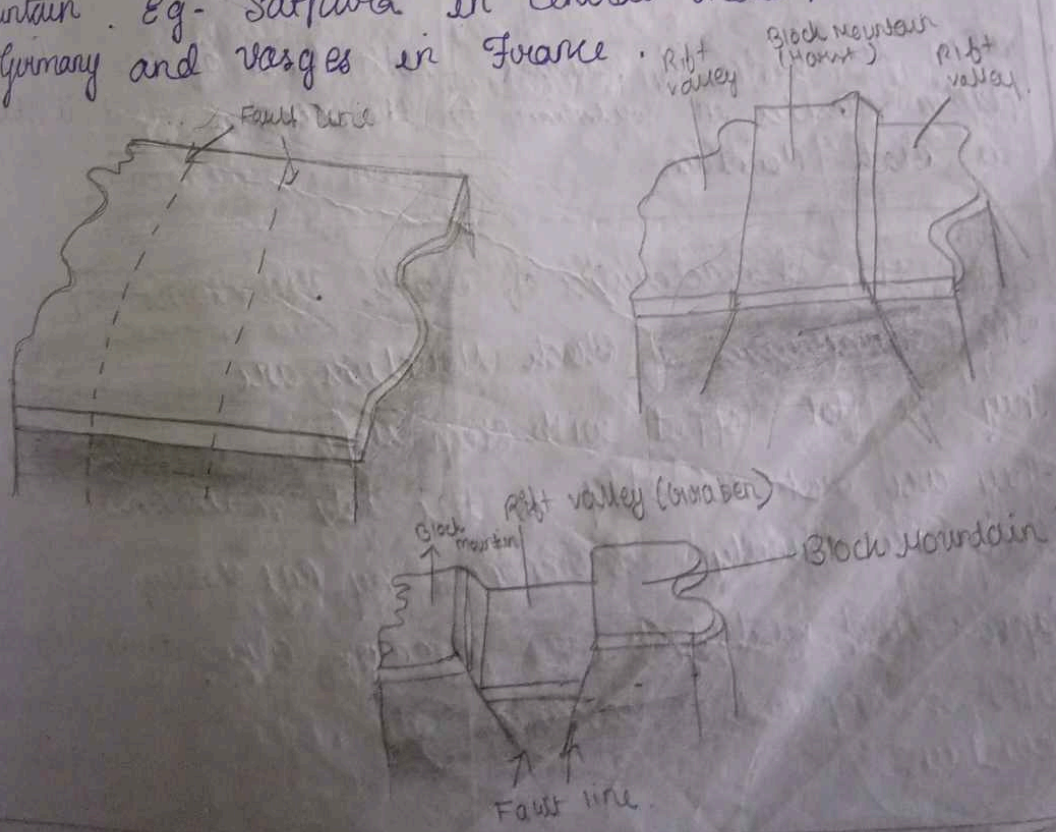


plate, North American plate, South American plate, North American plate, Indo-Australian plate, African plate and Antarctica plate. Plates are separated by fault lines and extend upto 70 km below ^{ocean} ~~oceans~~ and 150 km below ^{the} ~~the~~ continents. Plate boundaries are located along margins of earthquake epicentres.

Plates are floating on Asthenosphere due to convectional current which is shifted, pulled and consumed back into that layer. They move very slowly about 1 or 2 cm per year. They have three types of moving plate boundaries are converging plate boundary at collision, diverging plate boundary at separation and neutral plate boundary at intersection.

14) Define Block Mountains with examples and suitable diagram

The mountains formed by natural faults in the earth's crust by epirogenic movement and between two parallel fault lines, upthrust and downthrust is known as Block Mountain. Eg- Satpura in Central India, Black Forest in Germany and Vosges in France.



17) What is the another name of Block Mountain?
Ans. The another name of Block Mountain is Fault Mountain.

18) What is Horst?
Ans. Unfractured blocks of a plateau between two parallel fault lines forms a valley appears like a Block mountain is called Horst in Germany. e.g. Black Forest.

19) What is Graben?
Ans. Subsided block of land lying between two parallel fault lines forms a valley known as Rift valley. This is known as Graben in Germany. Eg: The river Rhine flows through the Rift valley between the Vosges and the Black Forest.

20) What is Monadnock?
Ans. Monadnock is the small rounded hill lochs which are found in the peneplain region, and formed by the erosional works of the river or running water. Eg

21) What is Mesa?
Ans. The small, flat topped, steep sided small eroded hills are called Mesa. These are made up of Basalt. Mesa are common in Deccan plateau region.

22) What is Butte?
Ans. The small mesas are called butte.

23) Volcanic Mountain of accumulation.
Ans. The mountains which are formed as a result of the cooling down of lava and other materials that come out of volcano during volcanic eruption are called volcanic mountain. These are also known as Mountain of accumulation.

24) Classify volcanic mountains along with definition of nature of eruptions.

(i) Active volcano - The volcanoes that continue eruption or have erupted in recent times is called ^{active} volcanoes. Eg: Vesuvius in Italy, Bawren in India.

(ii) Dormant volcano - Volcanoes with signs of possible eruption or future are called dormant volcanoes. Eg: Mt Fuji in Japan.

(iii) Extinct volcano - Volcanoes that have erupted in the past but no possible eruption in future are called extinct volcanoes. Eg: Narsandam in India.

v) Types are not found

vi) There are three types - Active, Dormant and extinct

vii) They are also known as Mountain of denudation.

vii) They are also known as mountain of accumulation

26) State the characteristics of Relict mountains

Ans The characteristics of Relict mountains are

- i) They have rounded tops rather than narrow summit.
- ii) They have gentle slopes and are not lofty.
- iii) They are less rugged with wide wide valleys.
- iv) They are made of ancient rocks.

27) Define Compression and Tension.

Ans When from both sides pressure come towards each other is called compression

When from one point pressure is sent to other, it is called tension

28) State the characteristics of Volcanic mountain.

29) Define Plateau.

Ans Plateaus are steep sided, flat topped highlands with elevation generally, varying between 300 m and 600 m above sea level
eg: Plateau of Tibet.

30) Classify Plateau according to their mode of formation
Define each type with suitable diagram. Example and diagram.

As Plateaus are steep sided, but topped highlands with elevation generally ranging between 300 m and 600 m above sea level e.g. Plateaus of Tibet

Plateaus are of three types the Plateaus which are formed due to earth movement, during the formation of fold mountains. Some Plateaus are actually overlaid by the fold mountains. So they are called 6th order mountains. Plateau 'gora' means in the north and 'rajes' in the hills between elevations in the north and rajes in the south.

ii) Dissected Plateau - An extensive high plateau is reduced into smaller blocks of plateau along with irregular strips by the to the continue. pieces of weathering and erosion by the natural agents like river, glacier, wind. In humid regions Plateaus intersected by deep narrow valleys is described as Dissected Plateau. e.g. Chotanagpur Plateau of India.

iii) Volcanic Plateau - Horizontal flow of lava which gushes out from the earth's interior through fissures eruptions and spreads over the land surface in great thickness and solidifies to form lava or Volcanic Plateau. e.g. Deccan Traps of Maharashtra in India.

Artemonane Plateau

Define Plain with the landscape of low altitude. Delta of the Ganga. Classify plains on the landscape. Altitude almost the Ganga. Plains are Depositional. -tion of Depositional

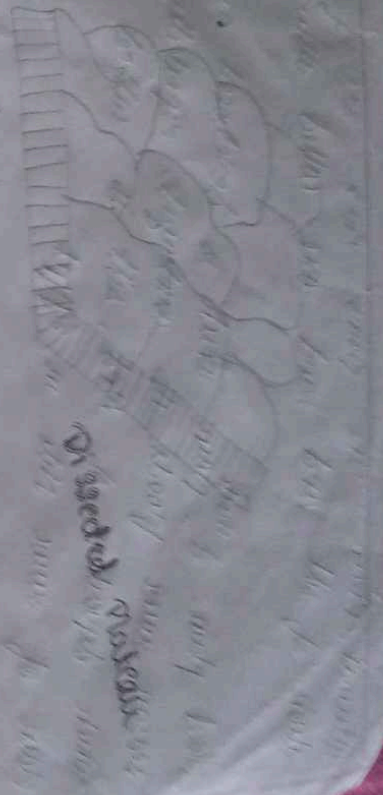
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eg. Deccan

have



Volcanic Plateau
Dissected plateau
The plateau is formed by the
eruption of lava flows
which solidify to form
a hard, resistant surface
The plateau is often
dissected by rivers
into a series of
stepped hills and
valleys

1) Define plain with example.

2) The landforms which are smooth and level are called plains. Eg. Ganga Delta plains.

3) Classify plains with example. The landforms which are smooth and level are called plains. Eg. Ganga Delta plains.

4) The landforms which are smooth and level are called plains. Eg. Ganga Delta plains.

5) Plains are classified according to following types. The plains which are formed by the deposition of materials brought by rivers, winds, waves and glaciers are called plains. Eg. Depositional plains.

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8) Depositional plains - The plains which are formed by the deposition of materials brought by rivers, winds, waves and glaciers are called plains. Eg. Depositional plains.

Alluvial plain - the plains which are formed by the deposition of alluvial soil are called alluvial plains. eg. the Indo-Gangetic plain.

Sheet plain - a high plain which is developed when the sea level rises and the land is submerged. It is a result of deposition of sand, silt and clay in a level plain. eg. the Indo-Gangetic plain.

Triangular plain - A triangular plain land which looks like the Greek letter Δ (delta) and is formed by the deposition of silt carried by a river is called delta plain. eg. Ganga-Brahmaputra delta.

Coastal plain - the plain which is formed when the sea level rises and the land is submerged. It is a result of deposition of sand, silt and clay in a level plain. eg. the Indo-Gangetic plain.

Plateau - a high land which is formed when the sea level rises and the land is submerged. It is a result of deposition of sand, silt and clay in a level plain. eg. the Indo-Gangetic plain.

Highland plain - a high land which is formed when the sea level rises and the land is submerged. It is a result of deposition of sand, silt and clay in a level plain. eg. the Indo-Gangetic plain.

Deposition - the process by which the material is deposited. It is a result of deposition of sand, silt and clay in a level plain. eg. the Indo-Gangetic plain.

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The deposition of
fine sand, silt, clay, organic matter
etc. when the spores
settle at the
bottom of the
water column
forms a layer of
sediment. e.g. Fossiliferous
sediment.

There are two types of structural plain
1. Structural Plain - ^{extensive} plain which is formed without
any tectonic movement, where sedimentary rocks layers are
deposited over a long period of time is known as
structural plain. e.g. Siberian plain.
There are two types of structural plain.

Emerged coastal plain - The wide emerged coastal plain which are
formed when continental shelf may be uplifted from the sea
level are called emerged plain. e.g. Coastal plain of Gulf of
Mexico.

Submerged plain - The narrow plains which are formed when
coastal margin subsides are called submerged plain. e.g. Swan
plain.

low land plain - e.g. the
coastal plain.
low land around
land through
river system.
Plain of Chetana.

3) Differentiate between Intermontane and Dissected Plateau.
As the differences are as follows.

Intermontane

↳ The plateaus which are formed due to earth movements during the formation of fold mountain are called Intermontane plateau. eg. Tibetan plateau.

ii) These plateaus are of high heights.

iii) These plateaus are actually carved by the fold mountain

↳ These are found in these plateaus.

Dissected

↳ The plateaus which are formed due to the erosion of high plateaus by rivers, wind etc are called Dissected plateau. eg. Chotanagpur plateau.

ii) These plateaus are of low heights.

iii) These plateaus are associated with secondary hills and intermontane with wide river valleys.

iv) These plateaus are well known.

Difference between Volcanic and Relief Mountain.

<p>Volcanic Mountains are the mountains that have formed as a result of cooling down of lava and other materials that come out of earth during volcanic eruption.</p>	<p>Relief mountains are the mountains that are formed as a result of erosion of fold, fault and volcanic mountains by the wind, water and other natural forces.</p>
<p>i) They are formed as a result of magma being pushed out from the earth's interior.</p>	<p>i) They are formed as a result of eugeogenic force.</p>
<p>ii) They are formed of igneous rocks.</p>	<p>ii) They are formed of either metamorphic or igneous rocks.</p>
<p>iii) These mountains are higher in altitude than relief mountains.</p>	<p>iii) These mountains are comparatively lower.</p>
<p>iv) They are the highest peaks, the highest and the lowest peaks are also known as accumulation.</p>	<p>iv) They are not the highest and the lowest peaks as a result of denudation.</p>

At the foothills of the Altai mountains, g. - P. via found at the foot of the mountain. In Sabana durt

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Between the two regions.

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mountain.

g. - P. via

found at the foot

of the mountain.

In Sabana durt

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In Sabana durt

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