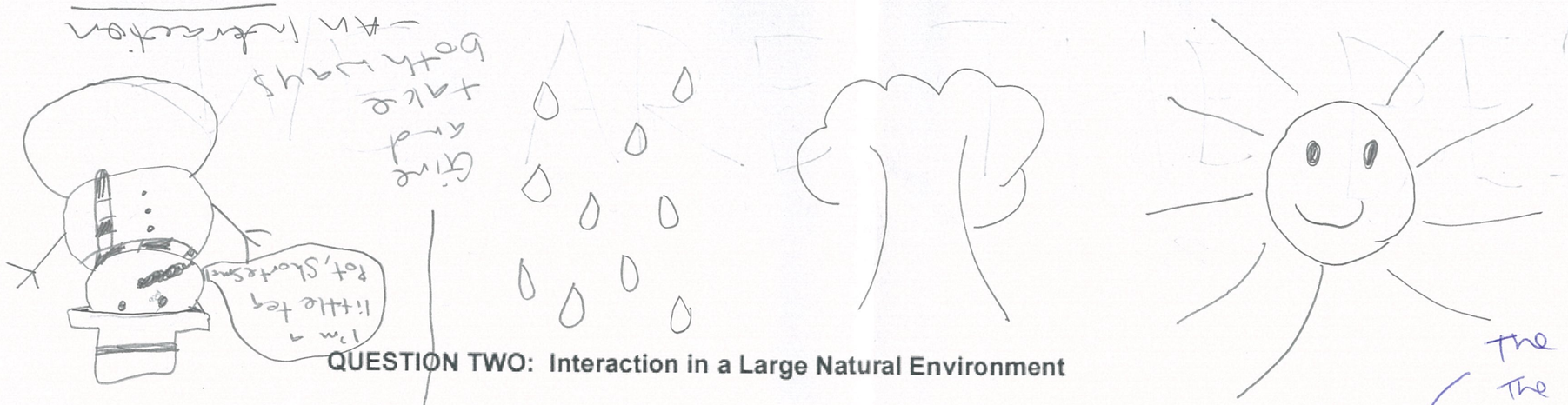


QUESTION TWO: Interaction in a Large Natural Environment

Read the geographic concept below and refer to it when answering this question.

Geographic Concept

Interaction involves elements of an environment affecting each other and being linked together. Interaction incorporates movement, flows, connections, links, and interrelationships. Landscapes are the visible outcome of interactions.

Name **TWO processes** that interact within your named environment case study from page 2.

Processes to consider may include:

- climatic – RAINFALL/ITCZ/TEMP CHANGE with ~~altitude~~ latitude
- tectonic – continental drift, volcanism, folding and faulting
- movement (erosion/transportation/deposition)
- weathering → freeze thaw/RAIN/WIND fluvial, glacial, aeolian
- mass movement. → Transportation

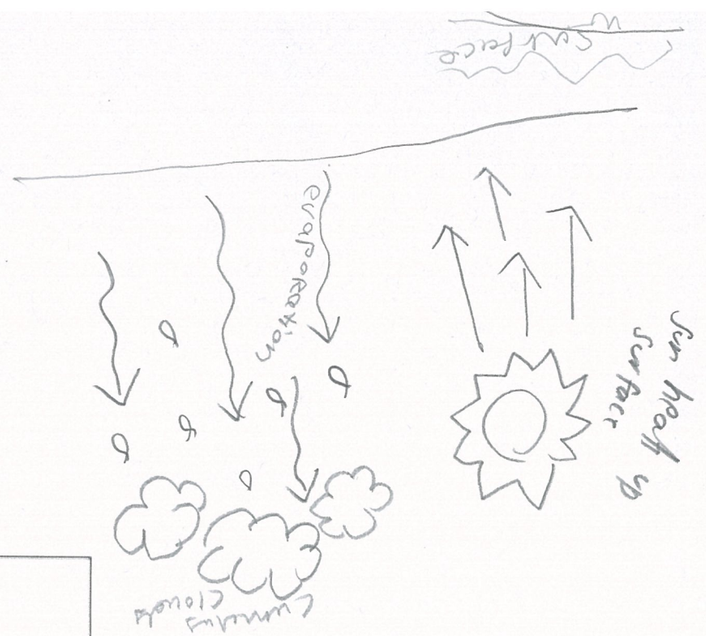
Interaction between process: _____ and process: _____

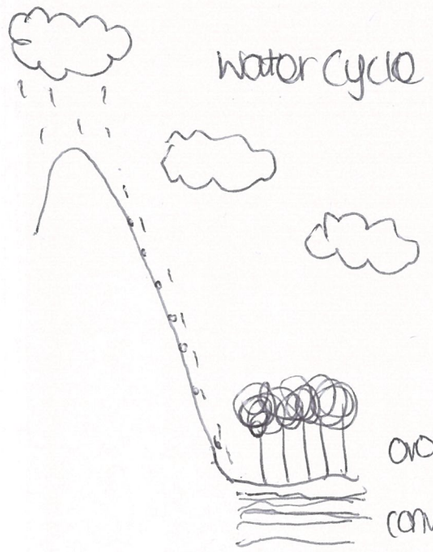
Fully explain the interaction between these processes.

Integrate comprehensive supporting evidence from your named environment case study, the **geographic concept** above, and **geographic terminology**, within your answer.

You may include **labelled sketch maps and/or diagrams to support your answer.**

Linking statements:
As a result of...
This is because...
Due to...





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vegetation
soil
landforms
climate

Name TWO **processes** that interact within your named environment case study from page 2

What?
Why?
How?

Processes to consider may include:

- climatic → dates
- tectonic → faulting, folding of plates
- movement (erosion / transportation / deposition)
- weathering → freeze thaw
- mass movement → breaking down into smaller particles

water cycle
orographic rain
fall
convectional rainfall

fluvial (water)
glacial (ice)
aeolian (wind)

varzea
Andes mountains
Amazon Basin
highlands

Amazon region.

Interaction between process: ~~processes~~ climate and process: ~~interaction~~ tectonic

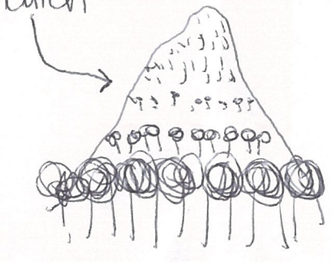
Fully explain the interaction between these processes.

Integrate comprehensive supporting evidence from your named environment case study, the geographic concept above, and geographic terminology, within your answer.

You may include labelled sketch maps and / or diagrams to support your answer.

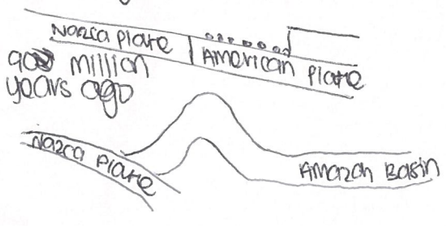
Patterns
Environment
Interaction
Change
Perspectives
Processes
Sustainability

convectional rainfall
tectonic movement of the plates
vegetation stratification
vegetation zonation

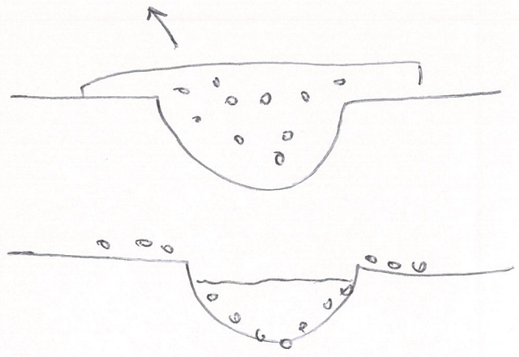


tectonic processes

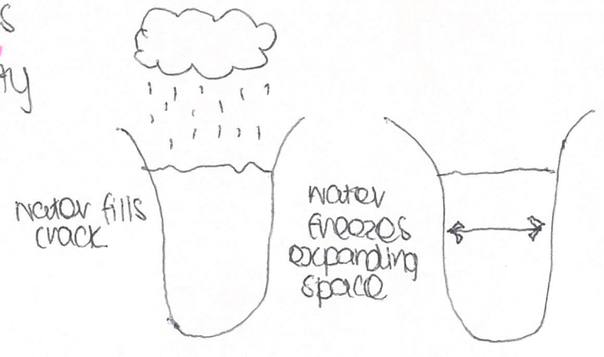
600 million years ago



Amazon Basin and the Varzea



Erosion processes



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Name TWO **processes** that interact within your named **environment** case study from page 2.

Processes to consider may include:

- climatic
- tectonic
- movement (erosion / transportation / deposition)
- weathering
- mass movement.

Interaction between process: Climatic and process: movement

Fully explain the interaction between these processes.

Integrate comprehensive supporting evidence from your named environment case study, the geographic concept above, and geographic terminology, within your answer.

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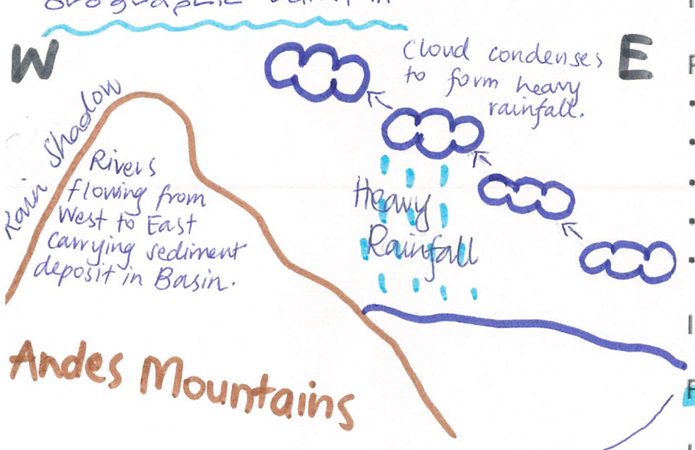
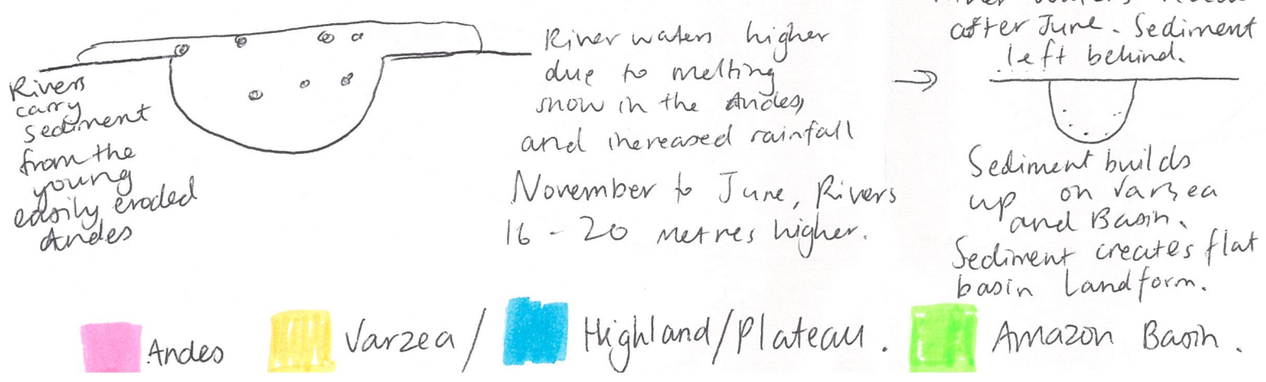
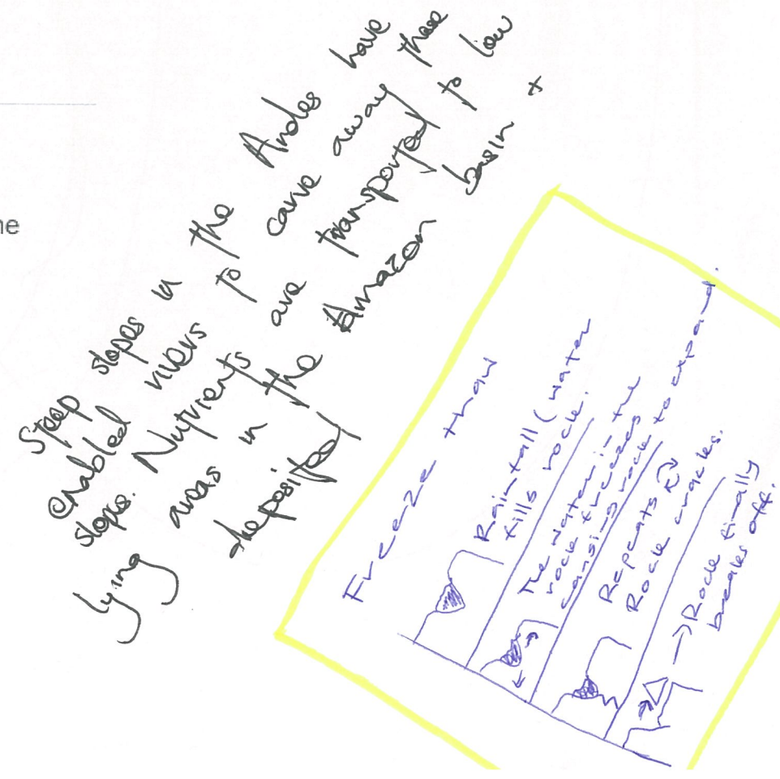


- Why something happens.
- In great detail with lots of depth within your answer.





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- climatic
- tectonic
- movement (erosion/transportation/deposition)
- weathering
- mass movement.

Interaction between process: Tectonic and process: movement

Fully explain the interaction between these processes.

Integrate comprehensive supporting evidence from your named environment case study, the geographic concept above, and geographic terminology, within your answer.

You may include labelled sketch maps and/or diagrams to support your answer.

why something happens in great detail with lots of depth within your answer.

ANDES

TECTONIC:

Nazca plate subducts under South American plate

Nazca: oceanic · denser
~~falls~~ down : subduction
orced
merican plate - lighter, continental

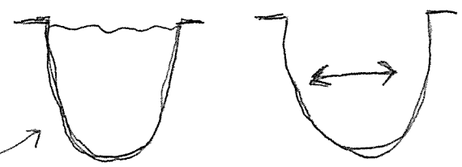
FOLDING

ndes created by plates colliding

MOVEMENT:

FLUVIAL EROISON
rivers caused by orographic rainfall creating V-shaped valleys

GLACIAL



water fills up and freezes and expands

VARZEA

TECTONIC:

Tectonic movement in the Andes through folding has caused rivers to deposit sediment and alluvium in the varzea.

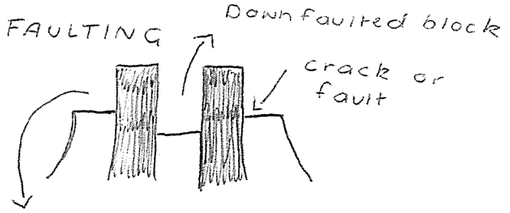
MOVEMENT

HIGHLANDS / PLATEAUS

TECTONIC

MOVEMENT

FAULTING



pfaulting block or forest.

BASIN

TECTONIC:

Because tectonic movement in the Andes cause sediment to be eroded and transported to the basin.

MOVEMENT:

Deposition - Sediment which has broded from the Andes mt have been carried down by rivers and deposited in the Amazon basin.

flat land / gradient of only 100m from east to west.