

WHAT FACTORS AFFECT CLIMATE?

Climatic factors are the constant conditions that modify the elements of the climate; the geographical factors are determined by Latitude or altitude.

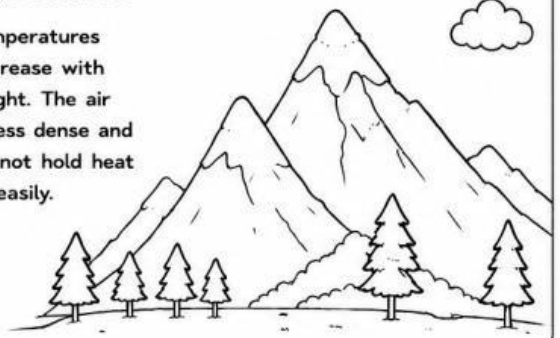
1 LATITUDE

Temperature range increases with distance from the Equator. Temperatures decrease as you move away from the equator. The sun's rays are dispersed over a larger area of land. Polar regions are colder because the sun's rays have further to travel compared to places near the Equator.



2 ALTITUDE

Temperatures decrease with height. The air is less dense and cannot hold heat as easily.



ACTIVITY 3 - CHOOSE THE BEST OPTION

Read each sentence and circle the correct option.

- If you travel from the Equator toward the North Pole, the temperature will:
a) increase b) stay the same c) decrease
- At higher altitudes, the air:
a) is denser and holds more heat.
b) is less dense and holds less heat.
c) does not exist.
- Which factor is related to the distance from the Equator?
a) Altitude b) Latitude c) Humidity
- Which factor depends on how high a place is above sea level?
a) Latitude b) Altitude c) Rainfall



ACTIVITY 4 - SHORT ANSWER

Answer the following questions.

- Why does temperature decrease as altitude increases?

- How does latitude affect the climate?

