

Vidya Bhawan Balika Vidyapeeth, LKR.

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Ch- 4 Air(Geography)

Our Earth is called unique planet because atmosphere is present here and support life. The atmosphere is a huge blanket of air and is responsible for the survival of all living beings. The word atmosphere word comes from the Greek word 'atmos' means vapour & 'sphaira' means sphere.

Structure of Atmosphere

Troposphere:-It is the lowest but important layer of atmosphere near the earth's surface. It extends to a height of 8 Km at the poles and 18 km at the equator. All weatheric related phenomena take place in this layer. The temperature of air decreases with increasing height at the rate of 1°C for every 165 metres. This is called Normal lapse rate.

Stratosphere:-It is the second layer of atmosphere extends a height of 50 Km above the troposphere. In this layer ozone layer absorb the ultra-violet radiation of the Sun. This layer is ideal for jet flying.

Mesosphere:-This layer extends upto a height of 80 Km and third layer of atmosphere. Meteorites burn up in this layer as they enter from space.

Thermosphere:-It extends up to a height of above 400 km and fourth layer. Ions which are particles present in this layer that reflects radio waves back to the earth & wireless communications. & called ionosphere.

Ecosphere:- It is the uppermost layer of atmosphere extends upto a height of 1600 km & merges with space.

Next topic to be taught

Weather & Climate & factors of its influence

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