

Atmosphere

The mass of air surrounding the Earth.

Troposphere

Layer of the atmosphere closest to Earth's surface. Where most weather occurs. Contains most of the gas of the atmosphere. Surface to $\approx 7\text{--}20$ km altitude.

Stratosphere

Ozone layer located here. Planes fly at lower edge. Altitude: from troposphere to ≈ 50 km.

Mesosphere

Little known about this region. Most meteors burn up here. Altitude: from stratosphere to ≈ 85 km.

Thermosphere

Low Earth orbit (LEO) satellites orbit here. Temperature rises rapidly in lower portion.

Altitude: from mesosphere to $\approx 100\text{--}500$ km.

Exosphere

Extends from thermosphere to space.

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The regions where two layers meet. Named for the lower layer of the pair. For example: The tropopause is where the troposphere and stratosphere meet.