

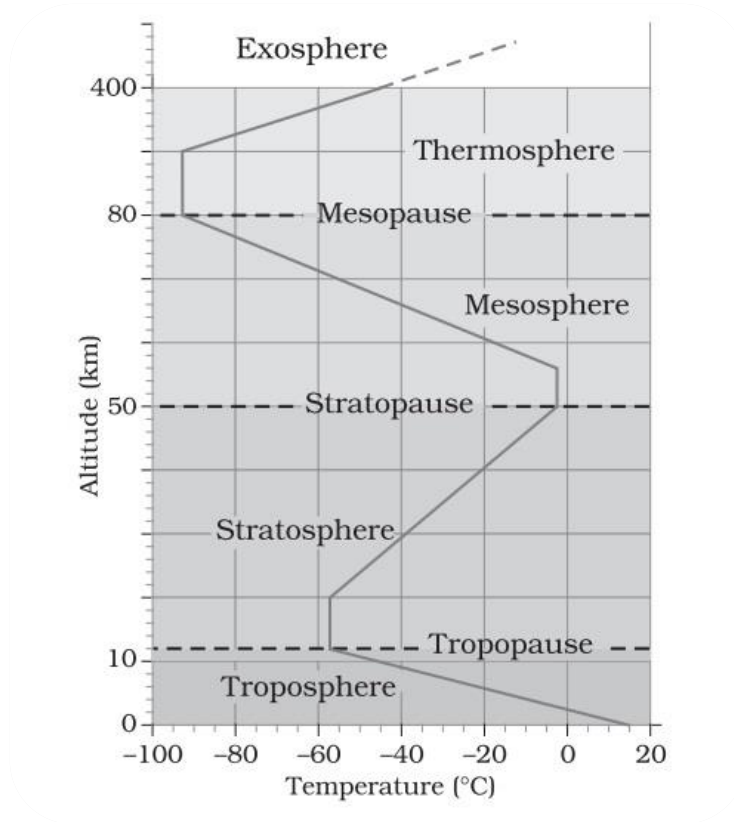
WELCOME VIRTUAL CLASS -VII

SUBJECT : (GEOGRAPHY)
CHAPTER NUMBER: 4
CHAPTER NAME : THE ATMOSPHERE

CHANGING YOUR TOMORROW

Structure of Atmosphere

The structure of the atmosphere is represented in a pictorial form below:

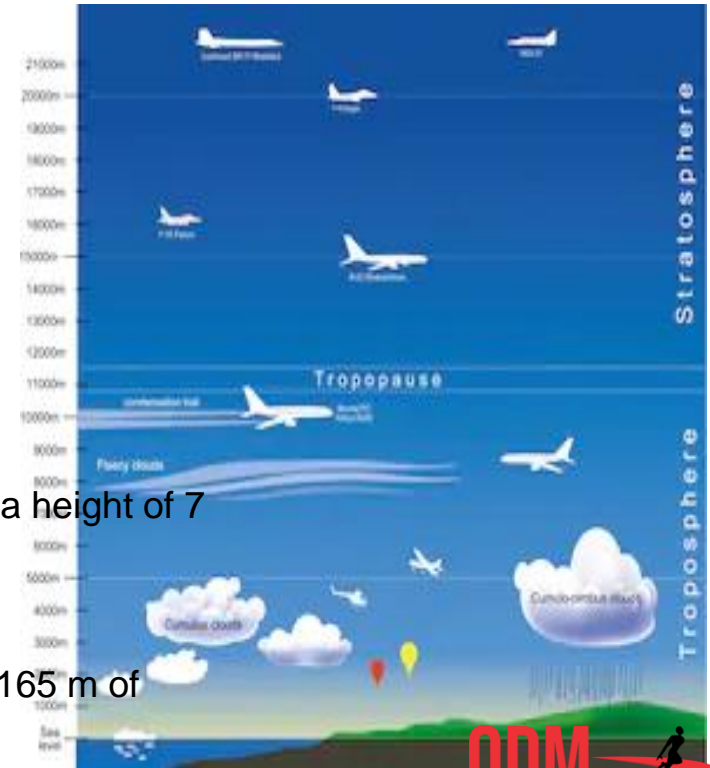


There are five layers in the structure of the atmosphere depending upon temperature. These layers are:

- Troposphere
- Stratosphere
- Mesosphere
- Thermosphere
- Exosphere

Troposphere

- It is considered as the lowest layer of Earth's atmosphere.
- The troposphere starts at the surface of the earth and goes up to a height of 7 to 20 km.
- All-weather occurs within this layer.
- This layer has water vapor and mature particles.
- Temperature decreases at the rate of 1 degree Celsius for every 165 m of height.
- Tropopause separates Troposphere and Stratosphere.



Stratosphere

- It is the second layer of the atmosphere found above the troposphere.
- It extends up to 50 km of height.
- This layer is very dry as it contains little water vapour.
- This layer provides some advantages for flight because it is above stormy weather and has steady, strong, horizontal winds.
- The ozone layer is found in this layer.
- The ozone layer absorbs UV rays and safeguards earth from harmful radiation.
- Stratopause separates Stratosphere and Mesosphere.



THANKING YOU
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