

Layers of our atmosphere

Bottom

Troposphere

- 1) has all the clouds and weather.
- 2) temperature gets colder as you go up.
- 3) Air get thinner rapidly as you go up.
- 4) Jet stream is located near the top of this layer.
- 5) Top of this layer is the tropopause.

This is the boundary where the temperature stops decreasing.

Stratosphere

- 1) no weather occurs here.
- 2) Temperatures increase as you go up.
- 3) Contains most of the ozone layer.
- 4) Top of this layer is the stratopause.

This is the boundary where the temperature stops increasing.

Mesosphere

- 1) meteors burn up in this layer.
- 2) Temperatures go down as you go up.
- 3) part of the ozone layer is in this layer.

Coldest temperatures in the atmosphere occur in this layer.

Thermosphere

- 1) contains 2 sub layers.
- 2) bottom part is called the ionosphere.
 - a) contains charged atoms or ions.
 - b) reflects radio waves.
 - c) absorbs x-rays from the sun.
- 3) top part is called the exosphere.
 - a) satellites orbit in it.
 - b) is very hot (over 10,000 degrees C)
 - c) aurora borealis occurs near the bottom of this layer.
 - d) sometimes referred to as a 5th layer.