

# TA11D -Teach About Air Layers

Use with BrishLab ES11D  
Done By: Coach

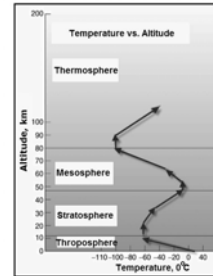
This material is CC by StarMaterials.com



1- As you go up a mountain, how does the air temperature change?

Page 1

Para 1



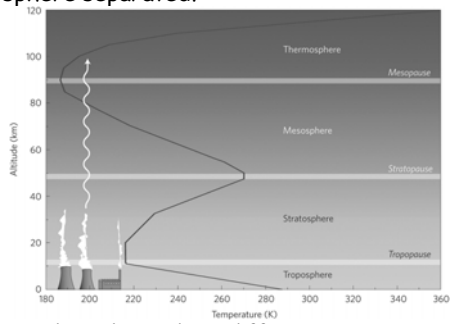
The temperature goes down then up, then down then up again as we get to space.

[Image Link](#)

2- How are the layers of the atmosphere separated?

Page 1

Para 3



Atmospheric layers have different temperatures.

[Image Link](#)

3- Why would airplanes be designed to fly in the stratosphere?

Page 1

Para 4



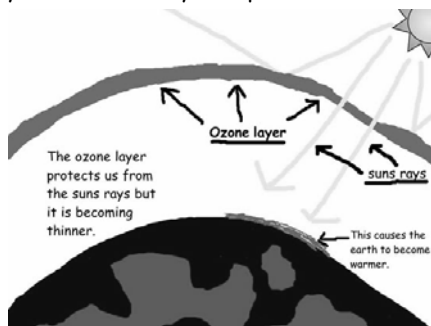
Modern planes fly above the weather in the stratosphere.

[Image Link](#)

4- Why is the ozone layer important?

Page 1

Para 5



The ozone layer protects us from the Sun's harmful Ultraviolet rays.

[Image Link](#)

5- What is found outside our atmosphere - in the exosphere?

Page 2

Para 7



There is not a lot in the Exosphere. Another name for it is space!

[Image Link](#)

6- In which layer does the International Space Station orbit?  
Para 8

Page 2

Para 8



You can enter the International Space Station if you get to the Thermosphere!

[Image Link](#)

7- Why do meteors start to glow and then burn up in the mesosphere?  
Para 9

Page 2

Para 9



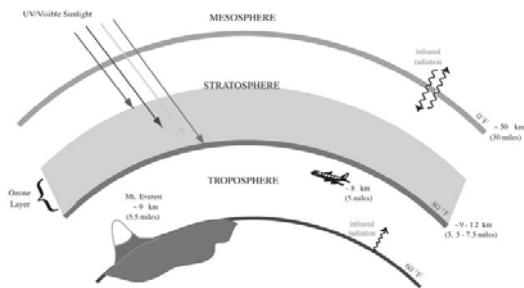
Meteors glow because of the friction with the air in the Stratosphere.

[Image Link](#)

8- Why does air in the stratosphere get warmer as you go up in altitude?  
Para 10

Page 2

Para 10



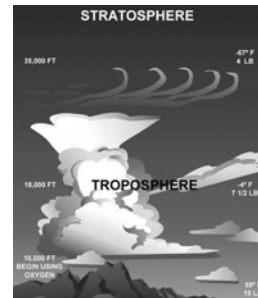
The stratosphere is exposed to the sun and heats up.

[Image Link](#)

9- Which is the lowest layer of the atmosphere?  
Para 11

Page 2

Para 11



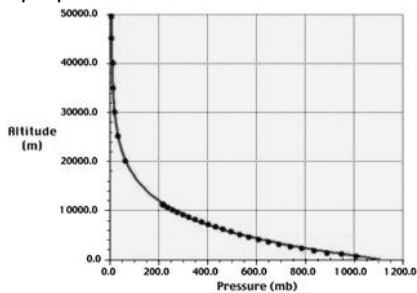
We live in the troposphere - on the Earth.

[Image Link](#)

10- How much, in percent, of the air is in the troposphere?  
Para 11

Page 2

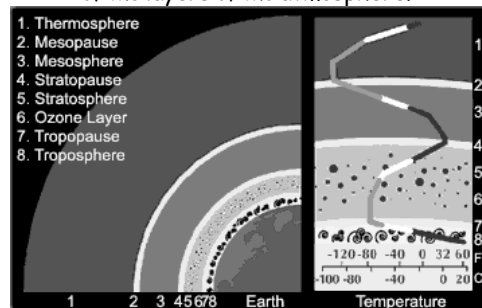
Para 11



75% of the air is in the lower layer, or troposphere.

[Image Link](#)

Wrap it up: Draw, color and label a diagram of the layers of the atmosphere.



[Image Link](#)