

Weather and Climate Study Guide (447-507)

1. Which layer of the atmosphere do the following take place:
 - ozone layer is in the
 - planes fly in the ____and____
 - meteoroids are in the
 - satellites orbit in the
 - the ionosphere is located in
 - weather is located in the
2. What are the two most important gases in our atmosphere?
3. What is ozone?
4. How are the layers of the atmosphere separated?
5. What is air pressure?
6. What causes the seasons?
7. How do seasons impact global climates?
8. What are the four types of precipitation?
9. Clouds form as a result of?
10. What does nimbus mean?
11. What are clouds that form when condensation occurs at or near the ground?
12. What is an air mass?
13. As air masses move and collide with each other, _____form at the boundaries between the air mass.
14. What type of weather is associated with warm fronts? Cold fronts?
15. How do storms occur?
16. Weather tools:
 - anemometer measures-
 - sling psychrometer measures-
 - barometer measures-
18. What is thunder?
19. What is the greenhouse effect?
20. Explain how land and water heat and cool.
- 21.. Explain how a convection current is set up in the atmosphere.
22. Convections that move on a global scale are known as?
23. What causes winds and climate zones?
24. What is the Coriolis effect?
25. What is the jet stream?

Cloud Name	Appearance	Location in the Atmosphere
Cirrus		
Cumulus		
Status		

Fronts	Description	Weather it Brings
Warm		
Cold		
Occluded		
Stationary		

Type	Description	How formed?
Thunderstorms		
Tornadoes		
Hurricanes		