Name	Date	Period
Atmosphere Scavenger H	lunt Worksheet	
You will use the following websites	s to answer questions (This is	an individual activity)
Part 1 -		
http://www.pbs.org/w	<u>/gbh/nova/balloor</u>	n/science/atmo
sphere.html#troposp	<u>here</u>	
1. What is the atmosphere?		
2. How high does the atmosphere ex	tend from the earth?	
3. What are the five layers of the atm	osphere?	
1.		
2.		
3.		
4.		
5.		
4. What are the three main gases that for each gas.	t make up the atmosphere? Be	sure to list the percentages
1.		
2.		
3.		
5. In which layer of the atmosphere d	oes weather occur?	
6. Does the temperature rise or drop	in the troposphere?	
Does the temperature rise or drop in	the stratosphere?	
Does the temperature rise or drop in	the mesosphere?	

Does the temperature rise or drop in the thermosphere?
Part 2 –
"The Ozone Layer"
http://www.ducksters.com/science/environment/ozon
e_layer.php
Scroll down to the section titled "Atmospheric Processes" and answer this question.
7. What is ultraviolet radiation?
8. Where is the ozone layer located?
Part 3 –
This should be the NOAAwebsite. Answer the following questions. 10. In what layer do space shuttles fly?
11. Which layer of the atmosphere is the coldest?
Which layer of the atmosphere is the hottest?
12. Click on the ionosphere link. Where is the ionosphere located?
13. What important quality does the ionosphere have?
14. What is the exosphere?
15. What is the boundary between the troposphere and stratosphere called?
What is the boundary between the stratosphere and mesosphere called?
What is the boundary between the mesosphere and thermosphere called?
Layers of the Atmosphere
https://www.nosdis.nosa.gov/content/pooling=back=layers=atmosphere

16. In what layer do weather balloons fly?

17. Where do planes and jets fly?
18. Why do meteors burn up in the mesosphere?
19. Where do the auroras occur?
20. Where do space shuttles fly?
Part 4 –
"Global Warming"
http://climatekids.nasa.gov/greenhouse-effect/
This should take you to a page titled "What is the Greenhouse Effect?" - Answer the following questions.
21. What is the greenhouse effect?
22. Is the greenhouse effect always a bad thing? What could make it a bad thing?
23. Are humans causing the increase in greenhouse gases? How?
24. What can we do to stop this?
http://alkisites.vansd.org/dgray/Assignments/conduction_convection_radiation_reading.pdf
25. Conduction is how heat transfers through directAwith objects that areB
A.
B.
26. Convection currents explain why the air is hotter at the top of a room and cooler at the bottom. Convection currents also explain why water is warm at the top of the ocean, but gets colder as you swim deeper. (True or False)

27. Radiation is how heat moves through places where there are			