Name	Date	Period
	Atmosphere Scavenger H	
You will use th		lestions (This is an individual activity)
Part I -		
	"The Atmoepher	e"
•	rg/wgbh/nova/balloon/science/at ve webeite to find anewere to the for more inform	following questions. Click on the layers
I. What is the atmosph		
2. How high does the	atmosphere extend from the earth?	
3. What are the five1.2.3.4.5.	layers of the atmosphere?	
4. What are the three each gas. I. 2. 3.	e main gases that make up the atmos	phere? Be sure to list the percentages for
5. What layer of the	atmosphere does weather occur?	
6. Does the temperatu	ure rise or drop in the troposphere?	
stratosphere?		
mesosphere?		
thermosphere?		

"The Ozone Layer"

http://www.ducksters.com/science/environment/ozone_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 -

"Layers of the Atmosphere"

http://www.srh.noaa.gov/jetstream/atmos/layers.htm

This should be the National Weather Service website. Answer the following questions.

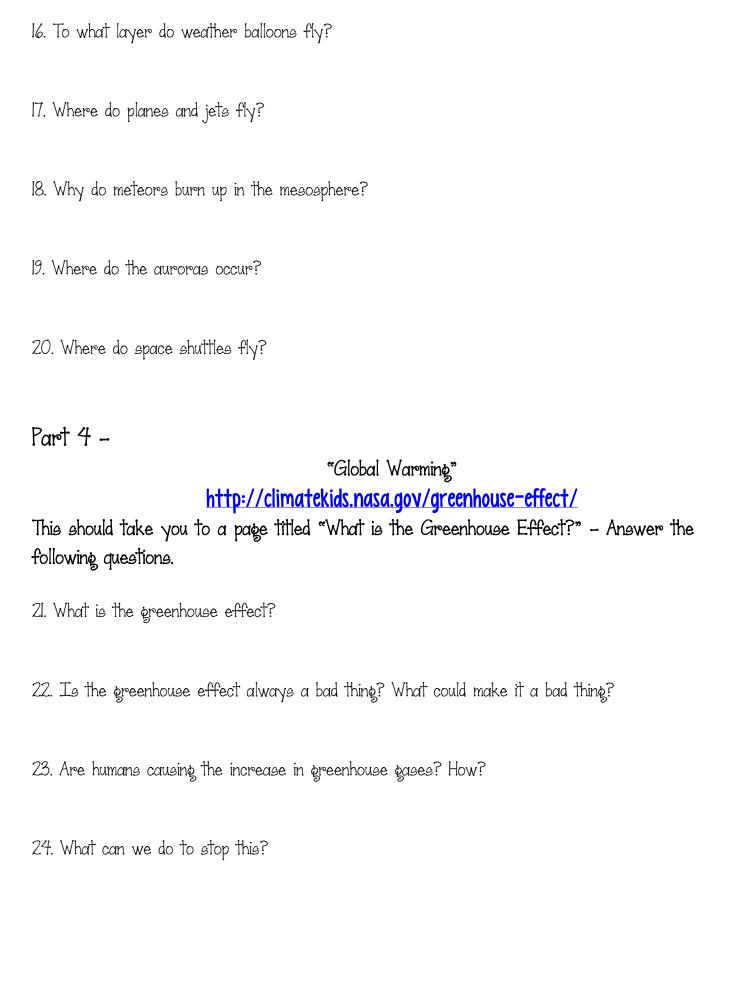
- 10. In what layer do space shuttles fly?
- II. Which layer of the atmosphere is the coldest?

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?

stratosphere and mesosphere?

mesosphere and thermosphere?



"Introduction to the Atmoephere". http://www.ucar.edu/learn/l_l_l.htm

Scroll down to the section titled "Atmospheric Processes" and answer this question.

25. There are several factors that help heat energy from the equator move around the earth. Name them.
Next, scroll down to the section titled "Energy Heat Transfer" and answer these questions.
26. Where does the earth get its energy?
27. What is conduction?
28. What is convection?
29. What is radiation?
30. This website gives you a picture of these three types of energy transfer. Identify an

Additional Resources:

example of conduction, convection, and radiation.

http://www.enchantedlearning.com/subjects/astronomy/planets/earth/Atmosphere.shtml http://earthguide.ucsd.edu/earthguide/diagrams/atmosphere/index.html