Atmosphere Web Quest

Go to my website and then navigate to the Atmosphere section of my site. Click on the Atmosphere Information link on the right. Once on the new page, click on the Composition of the Atmosphere link and complete the questions below. Answers do not need to be sentences.

1. Living things need nitrogen to do what?

2. Oxygen is necessary for _____ or burning.
3. What percent of Earth's atmosphere is argon?

4. Carbon dioxide acts as a blanket to prevent _____.
5. What are the trace gases in our atmosphere?

Go to Google.

6. What is a definition of "humidity"?
   The amount of _____ in the _____.
7. How can humidity change your weather in your region?

Go back to my website and click on Meteorology and then answer the questions below.

8. After reading, give a definition of meteorology IN YOUR OWN WORDS below.

Go back to my website and click on the Atmosphere Info link and answer the questions below.

9. Click through all four layers of the atmosphere. What do you notice is happening with the composition (the percentages of gases) in the atmosphere as you go higher?

10. As you go higher in the atmosphere, what is happening to the temperature? (0 degrees C = 32 degrees F)

11. As you go higher in the atmosphere, what is happening to the pressure? Why does this make sense?

12. How does this data line up and match up with what we talked about in our notes?

Go back to my website and click on Atmosphere Virtual Lab. Read the description and instructions on the left of the page. Yes, you need to read all of it so you know how it works. After going through the activity, answer the questions below.

13. Which layer of the atmosphere do you live in? What kinds of meteorological phenomena are in this layer?

14. If a rocket was launched to a height of 210 kilometers above sea level, which layer of the atmosphere would it rise to? Why kinds of meteorological and astronomical phenomena might the rocket encounter in that layer?

15. What is the ozone layer and in which layer of the atmosphere is it found? What is the importance of the ozone layer to life on Earth?

16. Describe the pattern of air density changes within layers of the atmosphere. Describe the pattern of air pressure changes within layers of the atmosphere. What is the relationship between air density and air pressure?