Atmosphere – Virtual Lab

Name _____

Date _____

Bell _____

Read the lab information on the side of the computer screen. The procedure will follow the information. This will tell you step by step what to do in order to complete the lab. Complete the table and questions below.

Altitude (km)	Name of the Layer	Density (% of Sea Level Density	Pressure (pa)	Temperature (Celsius)
400				
200				
110				
100				
75				
60				
50				
25				
10				
5				
0				

Label the **Exosphere above the chart.

Post Lab Questions

1. In which layer of the atmosphere do you live? What kinds of meteorological phenomena can be found in this layer?

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

3. What is the ozone layer? In which layer of the atmosphere is it found? What is the importance of the ozone layer to life on Earth?

4. 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?

5. Describe the pattern of temperature changes within the layers of the atmosphere.

   Why do you think temperature changes follow this unique pattern?