Fill in the Blank

1. The gas that shows the most variation from place to place and from time to time in the lower atmosphere is ____________  ____________.

2. What percent does each of the following gases occupy in a volume of air near the earth’s surface?
   
nitrogen ________%  
oxygen ________%  
water vapor ________%  
carbon dioxide ________%

3. Most of the ozone in the atmosphere is found in the atmospheric layer called the ________________.

4. Most of the earth’s water is believed to have originally come from ________________.

5. The hottest atmospheric layer is the ________________.

6. The only substance near the earth’s surface that is found naturally in the atmosphere as a solid, a liquid, and a gas is ________________.

7. The atmospheric layer in which we live is called the ________________.

8. The instrument that measures temperature, pressure, and humidity at levels above the earth’s surface is the ________________.

9. The primary source of energy for the earth’s atmosphere is the __________.

10. The mass of air in a given volume describes the air’s ________________.

11. The process of water changing from a liquid to a vapor is called ________________.

12. At sea level, the average or standard value of atmospheric pressure is ____ millibars and ____ inches of mercury.

13. The atmospheric boundary that separates the troposphere from the stratosphere is the ________________.

14. The average decrease in air temperature with increasing height in the lower atmosphere is about _____°C per 1000 meters, or _____°F per 1000 feet.

15. The atmospheric layer that plays a role in radio communication is the ________________.