Air and Weather

Use your textbook to help you fill in the blanks.

What is in the air?

1. The blanket of air surrounding Earth is called the ________ atmosphere ________.

2. The atmosphere is made up mostly of ________ nitrogen ________ and ________ oxygen ________.

3. The four layers of Earth’s atmosphere, from lowest to highest, are ________ troposphere ________, ________ stratosphere ________, mesosphere, and thermosphere.

4. All living things are in the ________ troposphere ________.

What are some properties of weather?

5. The condition of the atmosphere at a given time and place is called ________ weather ________.

6. When you measure how hot or cold something is, you measure its ________ temperature ________.

7. Winds start to blow when the air temperature ________ changes ________.

8. A measure of the amount of water vapor in the air is ________ humidity ________.

9. Water vapor comes from ocean water that ________ evaporates ________ from a liquid to a gas.
10. As air cools, the air pressure ______ increases ______.

11. Any form of water that falls to Earth is called ______ precipitation ______.

**How can you measure weather?**

12. Scientists collect and analyze data from different ______ weather stations ______ to track and predict the weather.

13. To measure rainfall, researchers collect rain in a tube called a(n) ______ rain gauge ______.

14. A tool used to measure air pressure is called a(n) ______ barometer ______.

**Critical Thinking**

15. What weather tools do you think are used in the desert, the humid tropical rain forest, and the frozen tundra?

**Possible answer:** I think the thermometer and the rain gauge are used in the desert. I think the thermometer, rain gauge, and hygrometer are used in the tropical rain forest. I think the thermometer and anemometer are used in the frozen tundra.