



A. Fill in the blanks with the correct word/s to complete each statement.

1. \_\_\_\_\_ is the lowest layer of the atmosphere where different weather elements interact.
2. The state or condition of the atmosphere in a particular place at a given time is called \_\_\_\_\_.
3. Air temperature is the measure of the \_\_\_\_\_ and \_\_\_\_\_ of the air.
4. When air is \_\_\_\_\_, the air molecules speed up and spread out. When it is \_\_\_\_\_, the air molecules slow down and come close together.
5. Air pressure, or \_\_\_\_\_, is the measure of the force caused by the weight exerted by the air on Earth's surface.
6. Places with \_\_\_\_\_ pressure area experience cloudy, rainy, or stormy weather because the water vapor in the air changes into liquid water easily.
7. The wind moves from \_\_\_\_\_ pressure area to \_\_\_\_\_ pressure area because of unequal heating and cooling of Earth's land and water surfaces.



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8. \_\_\_\_\_ is the amount of water vapor present in the air at a given time and place.

9. The shape and the position of the clouds tell how much \_\_\_\_\_ is in the air.

10. \_\_\_\_\_ is any form of moisture that falls on Earth's surface.

B. Match the weather element in Column A with the instrument used to measure it in Column B. Write the letter of the correct answer on the blank.

A

\_\_\_\_\_ 1. air temperature

\_\_\_\_\_ 2. air pressure

\_\_\_\_\_ 3. wind speed

\_\_\_\_\_ 4. wind direction

\_\_\_\_\_ 5. humidity

\_\_\_\_\_ 6. precipitation

B

a. wind vane

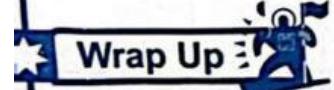
b. rain gauge

c. hygrometer

d. thermometer

e. barometer

f. anemometer


**Wrap Up**

1. The atmosphere is the mixture of gases that surrounds Earth. It contains 21% oxygen, 78% nitrogen, and 1% particles that protect us from the harmful rays of the sun.
2. The troposphere is the lowest layer of the atmosphere where weather elements interact.
3. Weather is the state or condition of the atmosphere in a particular place at a given time.
4. The weather elements found in the troposphere include air temperature, air pressure, wind speed and direction, humidity, cloud formation and precipitation.

