Science Test – Chapter 8 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Matching: Match each term with the correct definition.

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| 1. \_\_\_\_ absolute humidity
 | 1. The science of the atmosphere
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| 1. \_\_\_\_ atmosphere
 | 1. A layer of concentrated ozone located 20-50 km above the earth’s surface; it shields the earth from harmful ultraviolet light
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| 1. \_\_\_\_ atmospheric pressure
 | 1. The amount of water a certain volume of air holds
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| 1. \_\_\_\_ greenhouse effect
 | 1. The apparent temperature drop due to wind
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| 1. \_\_\_\_ lapse rate
 | 1. The percentage of water the air is holding compared to the amount that it could hold at a given temperature
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| 1. \_\_\_\_ meteorology
 | 1. Warming of the lower layers of the atmosphere by infrared radiation given off from the earth after it has been heated by the sun
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| 1. \_\_\_\_ozone layer
 | 1. The rate that temperature drops as altitude increases in the troposphere
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| 1. \_\_\_\_relative humidity
 | 1. The layers of air surrounding the earth
 |
| 1. \_\_\_\_ temperature
 | 1. The intensity of heat in the atmosphere
 |
| 1. \_\_\_\_ wind-chill factor
 | 1. The pressure exerted by the weight of the gases in the atmosphere
 |

True or false: Determine whether each statement is true or false.

1. \_\_\_\_ The clouds in the atmosphere reflect 32% of the energy from the sun.
2. \_\_\_\_ The atmosphere is made up of oxygen, nitrogen, and a few other gases.
3. \_\_\_\_ The ozone layer causes the northern and southern lights.
4. \_\_\_\_ Skin cancer is caused by too many rays from the sun.
5. \_\_\_\_ One function of the atmosphere is that it supplies oxygen.
6. \_\_\_\_ Humidity is the amount of water in the air.
7. \_\_\_\_ Wind can make the temperature feel higher.
8. \_\_\_\_ Wind direction is named for the direction from which the wind is coming.
9. \_\_\_\_ The thermosphere is the highest of the temperature layers.
10. \_\_\_\_ The troposphere is the lowest of the temperature layers.

List: List the four functions of the atmosphere

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List two kinds of precipitation

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_