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 |
| 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 |
| 1. \_\_\_\_ atmospheric pressure | 1. The amount of water a certain volume of air holds |
| 1. \_\_\_\_ greenhouse effect | 1. The apparent temperature drop due to wind |
| 1. \_\_\_\_ lapse rate | 1. The percentage of water the air is holding compared to the amount that it could hold at a given temperature |
| 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 |
| 1. \_\_\_\_ozone layer | 1. The rate that temperature drops as altitude increases in the troposphere |
| 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

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List two kinds of precipitation

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