Earth Science Test – Chapter 9 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Matching: Match each term with the correct definition.

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| 1. \_\_\_\_ acid rain | 1. The change from liquid to vapor by boiling |
| 1. \_\_\_\_ cloud | 1. To change state from liquid to a solid |
| 1. \_\_\_\_ condensation | 1. The changing of water vapor into a liquid; it occurs during cloud formation |
| 1. \_\_\_\_ dew point | 1. Any form of moisture falling from the atmosphere, such as rain, hail, snow, and sleet |
| 1. \_\_\_\_ drizzle | 1. Rain that is more acidic than normal due to higher-than-normal amounts of sulfuric and nitric acids |
| 1. \_\_\_\_ evaporation | 1. Small droplets of rain falling slowly |
| 1. \_\_\_\_ freeze | 1. A mass of water droplets or ice crystals suspended in the air |
| 1. \_\_\_\_ frost | 1. The process of changing from the solid state directly to the vapor state or from a vapor to a solid, without an intervening liquid state; snow or ice changing directly into water vapor, and water vapor changing to snow or frost |
| 1. \_\_\_\_ melt | 1. The process of changing a liquid into a vapor without boiling |
| 1. \_\_\_\_ precipitation | 1. The temperature at which air, by cooling, becomes saturated with vapor and begins to condense |
| 1. \_\_\_\_ sublimation | 1. Ice crystals formed on a surface when the cooler surface cools a nearby film of air to a below-freezing dew point |
| 1. \_\_\_\_ vaporization | 1. To change from the solid to the liquid state |

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

1. \_\_\_\_ Most of the water in the atmosphere comes from the ocean.
2. \_\_\_\_ Wind increases the speed of evaporation.
3. \_\_\_\_ Altocumulus clouds are associated with warm fronts.
4. \_\_\_\_ Water can only exist in the atmosphere in two forms: liquid and solid
5. \_\_\_\_ Stratocumulus clouds are often associated with thunderstorms.
6. \_\_\_\_ Skyscrapers could force air to rise and therefore cool and precipitate.
7. \_\_\_\_ Sulfuric acid is the only acid found in acid rain.
8. \_\_\_\_ Is it possible to absolutely prove that “no two snowflakes are exactly alike.”
9. \_\_\_\_ A cloud droplet is much, much larger than the smallest raindrop.
10. \_\_\_\_ Is it possible to make it rain?

List: Complete each list

1. List three forms of precipitation.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Complete the following chart, using as many vocabulary words from your chapter as possible.
3. List at least 4 types of clouds using their specific names.
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_