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
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| 1. \_\_\_\_ drizzle
 | 1. Rain that is more acidic than normal due to higher-than-normal amounts of sulfuric and nitric acids
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| 1. \_\_\_\_ evaporation
 | 1. Small droplets of rain falling slowly
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| 1. \_\_\_\_ freeze
 | 1. A mass of water droplets or ice crystals suspended in the air
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| 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
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| 1. \_\_\_\_ melt
 | 1. The process of changing a liquid into a vapor without boiling
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| 1. \_\_\_\_ precipitation
 | 1. The temperature at which air, by cooling, becomes saturated with vapor and begins to condense
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| 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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_