Earth Science Test – Chapter 11 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Matching: Match each term with the correct definition

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| 1. \_\_\_\_ anemometer | 1. An instrument that determines the direction from which the wind is coming |
| 1. \_\_\_\_ barometer | 1. A kind of hygrometer having wet and dry bulb thermometers; it is used to determine the relative humidity |
| 1. \_\_\_\_ Beaufort wind scale | 1. An instrument used to measure the atmospheric pressure |
| 1. \_\_\_\_ Celsius scale | 1. An instrument for measuring the amount of rainfall over a given period |
| 1. \_\_\_\_ Fahrenheit scale | 1. An instrument that records temperature on a graph |
| 1. \_\_\_\_ fiducial points | 1. An instrument for measuring the speed of the wind |
| 1. \_\_\_\_ hygrometer | 1. A scale derived by Francis Beaufort that estimated wind speed from its effect on plants and water |
| 1. \_\_\_\_ millibar | 1. A temperature scale on which 0 marks the freezing point of water and 100 marks the boiling point of water |
| 1. \_\_\_\_ psychrometer | 1. The fixed points on a thermometer that indicate the freezing and boiling points of water |
| 1. \_\_\_\_ rain gauge | 1. A temperature scale on which 32 marks the freezing point of water and 212 marks the boiling point of water |
| 1. \_\_\_\_ thermometer | 1. A metric unit of barometric pressure equal to 1/1000 of an average barometer reading |
| 1. \_\_\_\_ wind vane | 1. An instrument used to measure relative humidity by using the change in a human hair’s length to show the humidity |

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

1. \_\_\_\_ The highest wind speed recorded by man was recorded on Mt. Washington.
2. \_\_\_\_ The two come scales used on thermometers are the Fahrenheit scale and the Kelvin scale.
3. \_\_\_\_ Fiducial points refer to the boiling point of water and the evaporation point of water.
4. \_\_\_\_ Barometric pressure is measured in millibars.
5. \_\_\_\_ An isobar is a line drawn on a weather map that connect weather stations having the same barometric pressure.
6. \_\_\_\_ The National Weather Service issues weather forecasts four times a day.
7. \_\_\_\_ Low atmospheric pressure indicates bad weather in the forecast.
8. \_\_\_\_ Evangelista Torricelli developed the first barometer.

List: List the five steps to successful weather predictions.

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Short answer: What kind of people would use a 30 day forecast?

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