TEST REVIEW QUESTIONS

1. Base your answer to the following questions on the weather station data shown in the table below.

<table>
<thead>
<tr>
<th>Air Temperature</th>
<th>26°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dew Point Temperature</td>
<td>24°C</td>
</tr>
<tr>
<td>Barometric Pressure</td>
<td>984.2mb</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>From the South East</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>20 knots</td>
</tr>
</tbody>
</table>

   a. State the air temperature in degrees Fahrenheit.
   b. State the dew point temperature in degrees Fahrenheit.
   c. State the barometric pressure in its pope form, as used on a station model.
   d. At this time is the relative humidity High or Low, explain.

Base your answers to the question below on the station model below.

2. State the condition represented by the symbol for “present weather”.
3. State the relative humidity.  
   100% (Air & dew the same)  
   Low - high temps  
   842 (denied the "9" & "#")  
   high pressure  
   1000.8 mb
4. State the barometric pressure in millibars.  
   1002.4 mb
5. What was the barometric pressure 3 hours ago?
   1000.8 mb

6. Using the proper format, place the following data on the weather station model provided below.

   Wind = 30 knots blowing from the NorthEast.
   Barometric pressure = 989.0 mb.
   Cloud Cover = 25%.
   Air temperature = 77°F.

7. Using the proper format, place the following data on the weather station model provided below.

   Wind = 20 knots blowing from the SouthWest.
   Barometric pressure = 1004.4 mb.
   Air temperature = 33°F.
   Dew point temperature = 32°F.
   Present Weather = Snow

8. What is the actual pressure shown by the station model below?

   1045.6 mb
9. Where is the most likely source area for a tropical depression that grows into a major hurricane in the United States?

   OFF THE WEST COAST OF AFRICA
   LOOK AT PG 4 ESRT!

10. What conditions must exist for a hurricane to form?

   WARM TEMPS
   OVER WATER

11. As an Atlantic hurricane is born, intensifies, and later fades, what is its most likely path as it moves toward the mainland of the United States?

   FOLLOW CURRENT SYSTEM - THEN
   FOLLOW THE GULF STREAM & GLOBAL WINDS
   ESRT PG. 14

12. State two steps you would take in preparing for a hurricane.

   - Board up windows
   - Gather extra food, water, batteries
   - Go to the lowest part of your home - if no flooding is possible.

13. What conditions must exist to form a tornado?

   Rising, hot temps over land.

14. How do the surface winds flow in a Hurricane?

   Counter clockwise

15. What is the name of the scale used to measure Hurricanes?

   Saffir/Simpson scale

16. What is the name of the scale used to measure Tornadoes?

   Fujita scale