

Name _____ Date _____ Period _____

Topic 7: Station Models

Objectives:

- Students are to learn to draw and create station models based on local variables found on a weather station web site on meteorology.
- Students are to learn how to graph variables to find relationships between dew point, temperature, and relative humidity.

Procedure:

1. Draw station models including all variables based on web site provided by your teacher.
2. Constructed a graph where each date is labeled on the x axis and graph the Temperature and Dew Point on the y axis. This should be a two- line graph.
3. Construct a second graph, label the dates on the x-axis and the Relative humidity (0-100%) for each date on the y axis. This should be a one - line graph.

Discussion Questions:

1. For the following list the highest and lowest values for each with the proper units.

	High	Low
Temperature		
Dew point		
Pressure		
Relative Humidity		

2. When looking at all the station models, is there a general direction, a dominant direction, that the wind seems to be blowing from. If yes, which direction is it?

3. What is the relationship between dew point and temperature, direct or indirect?

4. When you look at temperature and dew point, what is the connection to relative humidity?

When you hand this in, all station Models, and both graphs should be stapled to this sheet.

