



Questions:

- 1) What is Relative Humidity and how is it measured?
- 2) What is Wind Chill Index and how is it measured?
- 3) In what units does the Barometer measure? What are some other units of barometers?
- 4) How can barometers be used to predict weather?
- 5) What is Dew point wet bulb measure? What is its significance?
- 6) What is the Light measurement? What are the units?
- 7) What are the current inches of rainfall this month?
- 8) Research how many inches of rainfall we normally get in Olympia? Are we ahead or behind?
- 9) What was the average Wind speed during the observed time?
- 10) Produce a graph (use a full sheet of graph paper or print and label a graphing calculator display or print of Graphical Analysis software) with the Date as the x-axis and then choose 2 variables, one for the left scale and one for the right scale; choose between (Temp, Humidity, Wind Chill Index, Barometer, Dew point, Light, or Rainfall).
- 11) Look to see if there is a correlation between the two variables that you chose and make a statement.
- 12) Based on your findings, predict the next month's readings on the 2 variables that you chose above. Explain your reasoning (don't just guess).
- 13) Produce a poster for display showing your work. Be sure it is legible at distance or 10' and neatly done.