Experiment 1 - GRAPHS AND GRAPHING

| REPORT SHEET | Name: |
|---|--|
| | cribed in your lab manual, then send the completed Excel file canvas. Ask your instructor which delivery system is |
| STEP 2: Answer the following questions pertain labeling format mimics the questions as asked in | ing to the graphs you have already created in Excel. The the Lab manual. |
| Exercise/Graph 1. Temperature | |
| 2) Write the equation of the line in terms of °C a | nd °F. |
| | |
| 3) What is the slope of the line including the uni | t? |
| , , , , , , , , , , , , , , , , , , , | the graph. Report these values with units! Notice that in this e lower left corner of the page, because both x and y may |
| 5) Check your equation by using it to calculate to corresponding value off of the graph. | the Celsius equivalent of 212°F, and then reading the |

Chemistry 101

Exercise/Graph 2.

| 2) Determine the slope of the resulting line, complete with units . This is k, the proportionality constant. |
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| 3) Write the equation for the relationship between density and temperature for oxygen, in terms of D and 1/T. |
| Exercise/Graph 3. 2) Calculate the slope of the line, with units. |
| 3) Write the equation of the line in terms of D and %. |
| 4) From the graph, read the density of a 4.80% glucose solution. Pay attention to significant digits! |
| 5) Use the equation of the line to calculate the % by mass of a glucose solution whose density is 1.0652 kg/L. |
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