

Instructions for graphing on excel

1. Type x values in column A
2. Type y values in column B
3. Highlight both data columns
4. Select *insert* → *scatter plot* – pick the plot that doesn't have lines connecting the data points.
5. On the very far right of the tool bar, select *MOVE CHART Location*. Select *Save in NEW SHEET – Chart 1*. Then *OK*.
6. Click on the chart then select the *LAYOUT* tab. From this tab, title the chart, the axes, adjust the gridlines and plot area.
7. Hover over the x axis until “primary horizontal axis” appears. Right click to format the x axis so that the origin is close to or at x value of the first data point.
8. Hover over the y axis until “primary vertical axis” appears. Right click to format the y axis so that the origin is close to or at y value of the first data point.
9. Click on chart, select *Layout* tab. Select *trendline* and *More trendline options*. Select *linear* and *display equation on chart*.
10. Insert a textbox with your name in the lower right hand corner of the graph.

11. Graph the prelab data the same way as above. You can do this graph in the same file but save it in a different chart. Title the chart pre-lab.

12. Answer the rest of the pre and postlab questions in a textbox on each graph. (Prelab Qs on the pre-lab graph, and post lab Qs on the post lab graph.) Save your excel file by your name and density lab. For example: MrsKimber Denisty Lab. Drag the file to the Chem IH folder called Density Graphs.