Lungs of the Planet: Excel Graphing Activity

1. Now using the computer, you will make two graphs using Excel. Grab a computer, login, and open Excel.

Sheet 1:
2. You will type in the titles and data from number 5 as it appears on the Lungs of the Planet worksheet.
3. Using the average shortcut on Excel, you will find the average. In the box just below the data in the 2nd column you will type:
   \[ =\text{AVERAGE}(B2:B11) \]
4. Do the same for each of the following columns, using the corresponding letters.

Chart 1 (Scatter Plot):
5. To make a scatter plot graph, highlight all of the data and titles, except the averages.
6. Select “Insert” and “Scatter Plot with Smooth Lines”. You will need to hold your cursor over the buttons to find the right one.
7. Right-click on the graph that appears and select “Move Chart”. Then choose “New Sheet” titled Chart 1.
8. On the chart, label both axes and the title.

Chart 2 (Bar Graph):
9. To make a bar graph of the averages, highlight the averages, and then while holding Control, also highlight their titles.
10. Select “Insert” and “2-D Clustered Column”.
11. Right-click on the graph that appears and select “Move Chart”. Then choose “New Sheet” titled Chart 2.
12. On the chart, label both axes and the title.

13. When you are done, raise your hand and Ms. Rowlen will check and sign off that you have the following:
   - Sheet 1: All data is present, and averages were calculated using Excel formulas.
   - Chart 1: Scatter plot of all data is present. Both axes are labeled. Title is appropriate.
   - Chart 2: Bar graph of averages is present. Both axes are labeled. Title is appropriate.

Rowlen’s Signature: ____________________________