

AP Biology Graphing Lab 1 Data in Excel

The following is a description on how to create the graphs for Parts C and D of AP Biology Lab. 1, Diffusion and osmosis.

1. Enter the data in a small spreadsheet. Include headings for each column(See example below).
2. Highlight the entire spreadsheet.
3. Click on the Chart Wizard icon on the toolbar(it's a small bar graph).
4. Select XY(Scatter) from the list of chart types and select the subtype without lines connecting the points(this is the first choice in my version of Excel).
5. Click Next twice.
6. At step 3 enter a title and labels for the X and Y axis.
7. Click Next.
8. Select Place Chart as Object in: Sheet 1.
9. Click Finish.
10. You now have a graph on your spreadsheet. You can click on the axis labels and title to edit them if you like. You can also click on the axes to change the minimum and maximum values if you need to.
11. Right click on any data point on the graph.
12. Select Add Trendline from the menu. This will add a "best fit" line to your graph.
13. Select Linear and click OK.

Your data and graph should look like the examples below.

Sucrose Molarity	% Mass Change
0	24
0.2	12
0.4	-1
0.6	-15
0.8	-23
1	-28

