

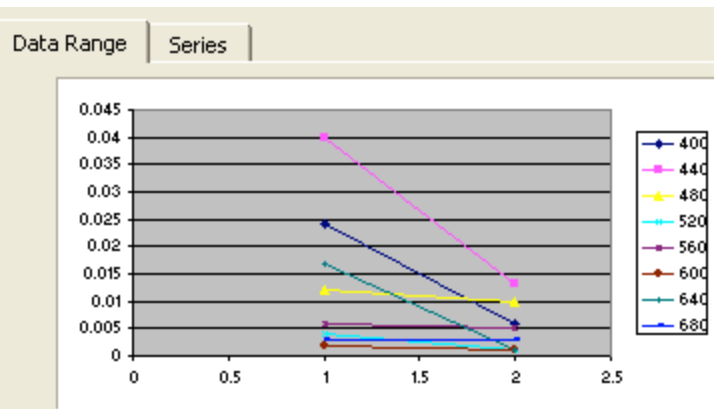
Graphing using Microsoft Excel 2007

Excel tutorial #7- Troubleshooting Excel graphing

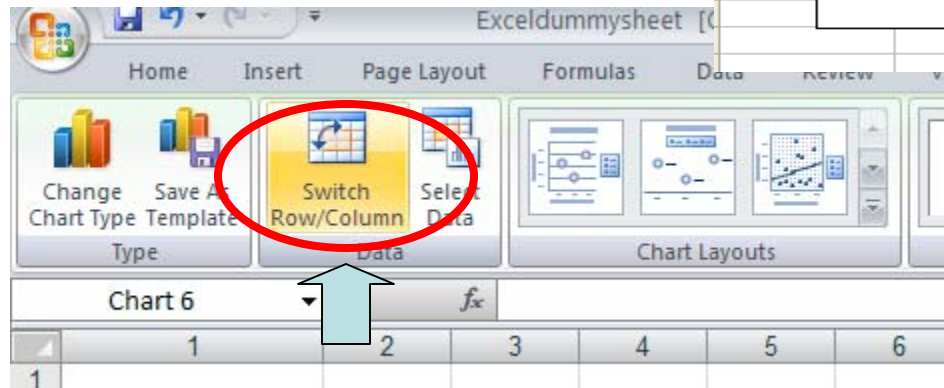
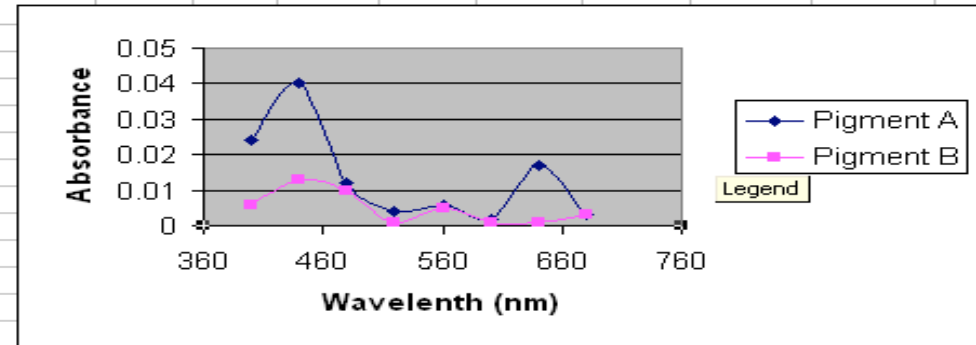
Problem # 1

In step 2 of Chart wizard, your graph look like this:

When you expected it to look like this:



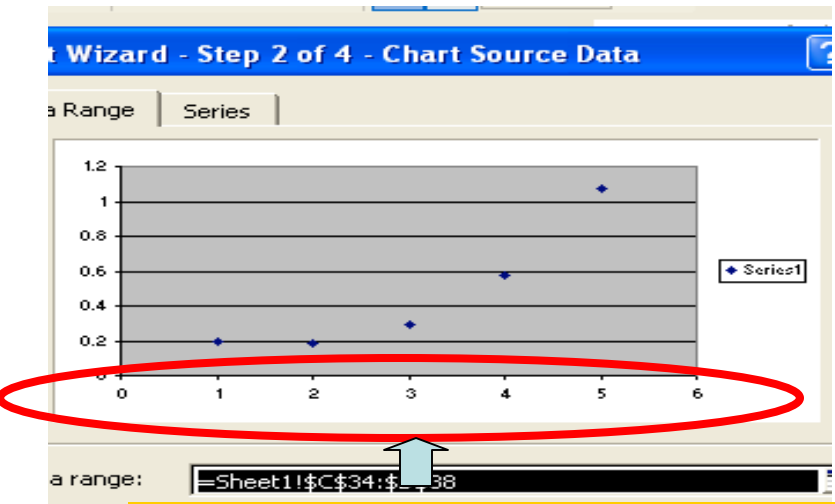
| | 400 | 440 | 480 | 520 | 560 | 600 | 640 | 680 |
|-----------|-------|------|-------|-------|-------|-------|-------|-------|
| Pigment A | 0.024 | 0.04 | 0.012 | 0.004 | 0.006 | 0.002 | 0.017 | 0.003 |
| Pigment B | 0.006 | 0.01 | 0.01 | 0.001 | 0.005 | 0.001 | 0.001 | 0.003 |



Solution: Select the “Switch Row/Column” button

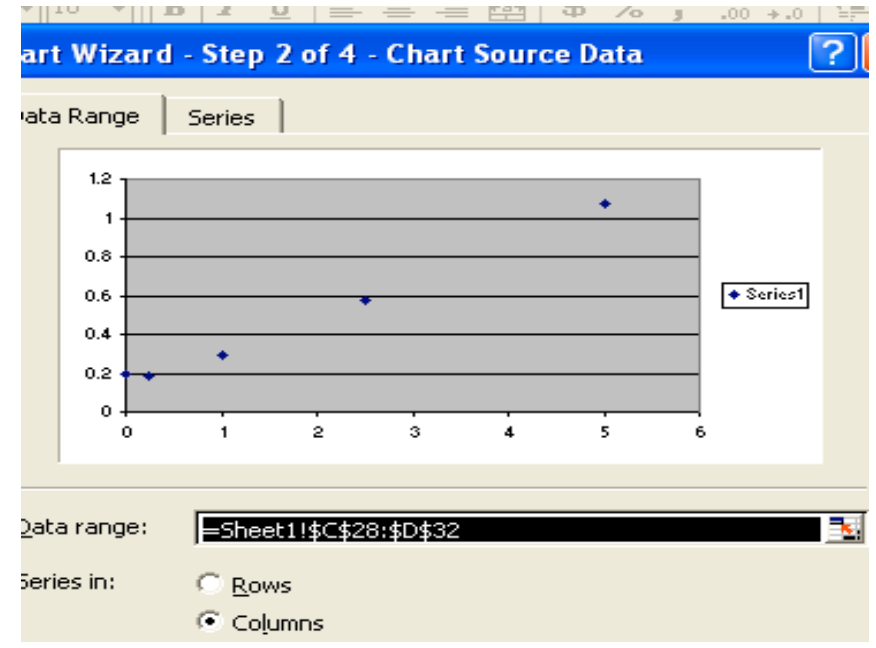
Problem # 2:

Your X axis is not linear, and so your graph looks lousy, like this:



Note that X axis is non-linear! In other words, the data points do not correlate with the concentrations on the X axis.

....instead of this:



Solution: Omit all text (headers, units) from the area that you select.

Correct:

| | |
|------|-------|
| 0 | 0.199 |
| 0.25 | 0.187 |
| 1 | 0.293 |
| 2.5 | 0.576 |
| 5 | 1.069 |

Incorrect:

| | |
|------------|-------|
| 0 ug/ml | 0.199 |
| 0.25 ug/ml | 0.187 |
| 1.0 ug/ml | 0.293 |
| 2.5 ug/ml | 0.576 |
| 5 ug/ml | 1.069 |

Correct:

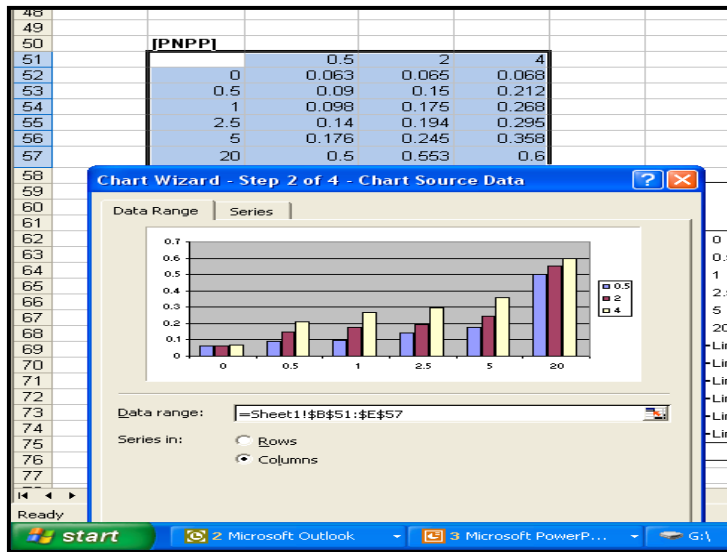
| | |
|------|-------|
| 0 | 0.199 |
| 0.25 | 0.187 |
| 1 | 0.293 |
| 2.5 | 0.576 |
| 5 | 1.069 |

Incorrect:

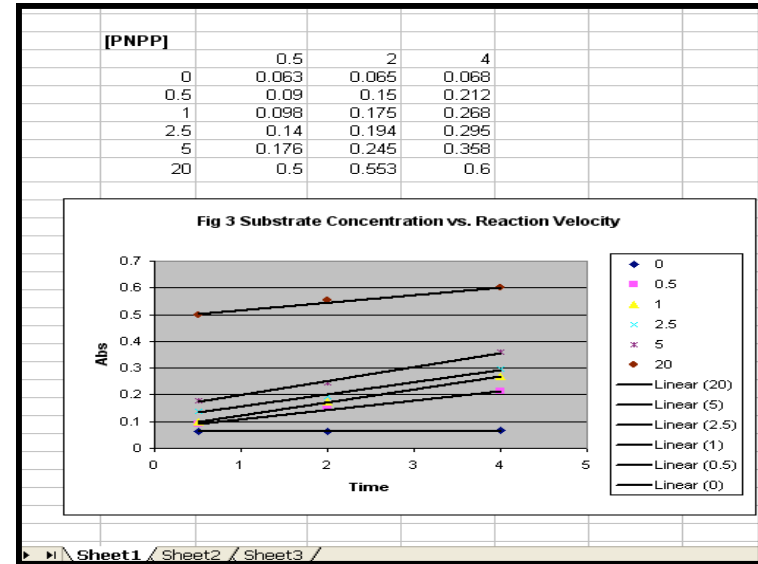
| | |
|--------------|-------|
| Enzyme conc. | |
| 0 | 0.199 |
| 0.25 | 0.187 |
| 1 | 0.293 |
| 2.5 | 0.576 |
| 5 | 1.069 |

Problem # 3:

Your graph looks like this:



....instead of this:



Solution: Never choose anything but "Scatter" when preparing a graph. You can always change graph type once graph is made..

