

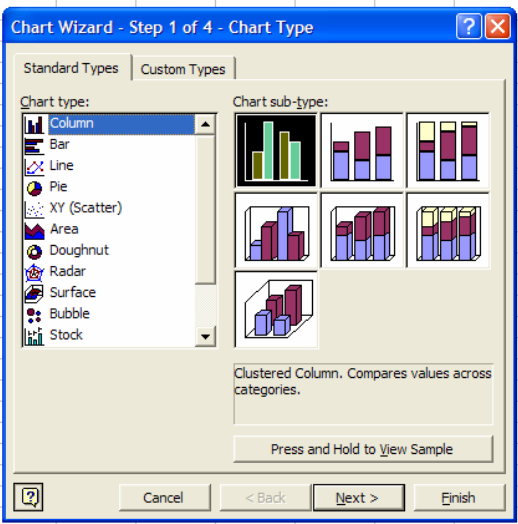
Excel Tutorial for Line Graphs

Step 1: Enter your data into columns, with the data to be placed on the horizontal axis in the first column.

	A1	fx			
	A	B	C	D	E
1					
2		Temperature (°C)			
3	Time (s)	NH4Cl	CaCl2		
4	0	22	22		
5	15	21	23.5		
6	30	19.5	24.5		
7	45	18.5	25.5		
8	60	17.5	26		
9	75	17	27		
10	90	16	27.5		
11					
12					
13					

Step 2: Highlight the first set of data to plot (numbers only!). Click on the Chart Wizard.

	A	B	C	D	E	F	G	H	I	J
1										
2		Temperature (°C)								
3	Time (s)	NH4Cl	CaCl2							
4	0	22	22							
5	15	21	23.5							
6	30	19.5	24.5							
7	45	18.5	25.5							
8	60	17.5	26							
9	75	17	27							
10	90	16	27.5							
11										
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Step 3: Select XY Scatter from the Standard Types menu and click Next.

	A	B	C	D	E	F	G	H	I	J
1										
2			Temperature (°C)							
3	Time (s)	NH4Cl	CaCl2							
4	0	22	22							
5	15	21	23.5							
6	30	19.5	24.5							
7	45	18.5	25.5							
8	60	17.5	26							
9	75	17	27							
10	90	16	27.5							

Chart Wizard - Step 2 of 4 - Chart Source Data

Data Range:

Series in: Rows Columns

Step 4: Click on the "Series" tab and enter the series name for that set of data in the "Name" input box. Click Next.

	A	B	C	D	E	F	G	H	I
1									
2			Temperature (°C)						
3	Time (s)	NH4Cl	CaCl2						
4	0	22	22						
5	15	21	23.5						
6	30	19.5	24.5						
7	45	18.5	25.5						
8	60	17.5	26						
9	75	17	27						
10	90	16	27.5						

Chart Wizard - Step 2 of 4 - Chart Source Data

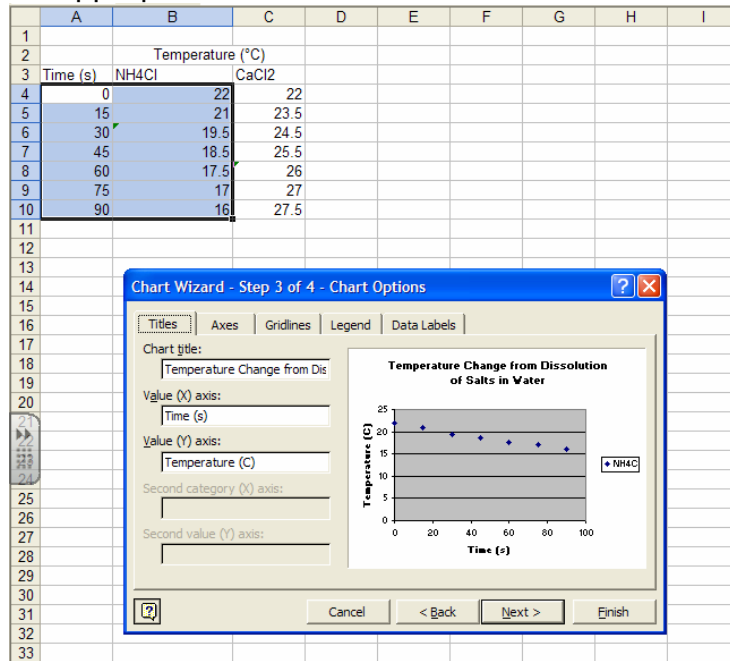
Series

Series1 Name:

X Values:

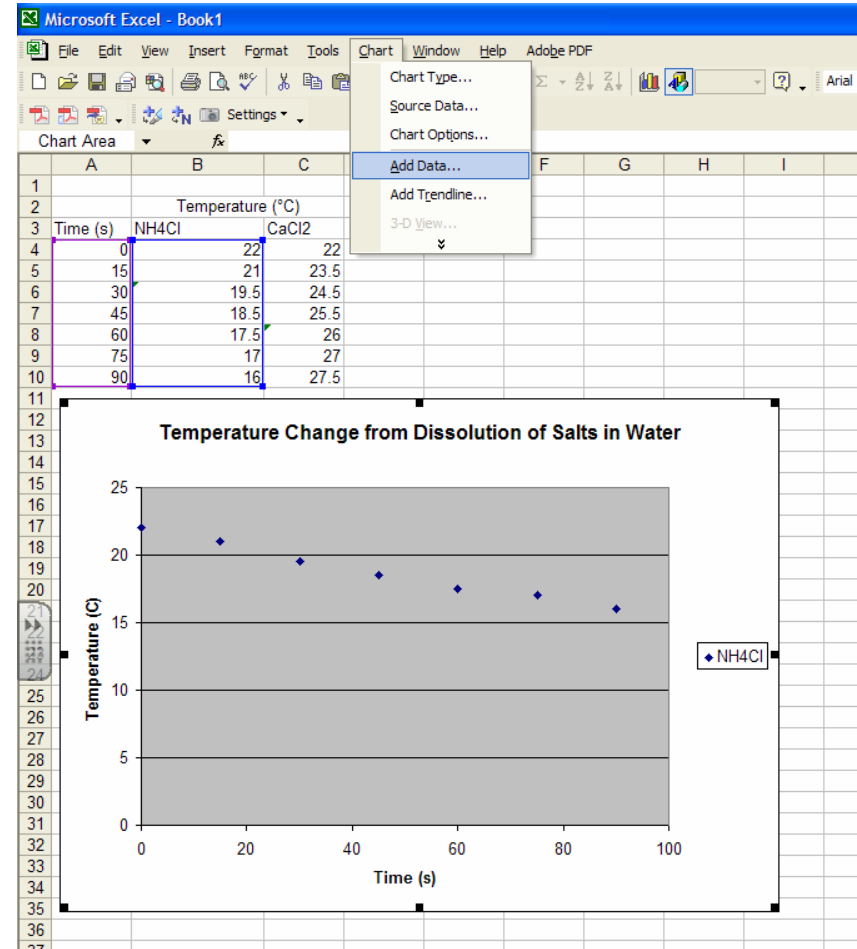
Y Values:

Step 5: Enter the chart title and x-axis and y-axis labels in the appropriate boxes. Click Next.

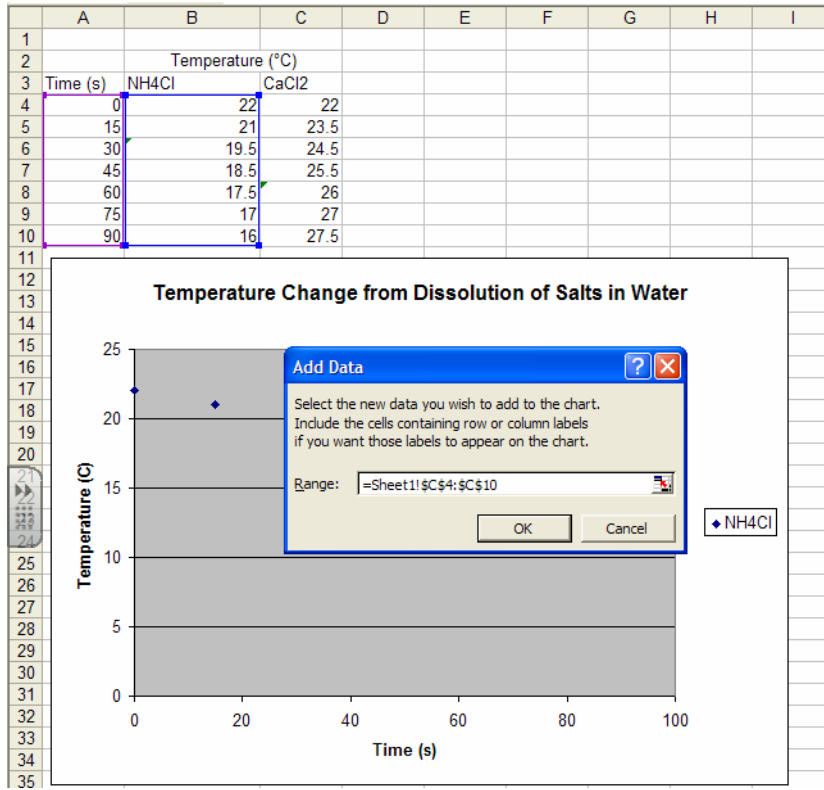


Step 6: Select chart location and click Finish.

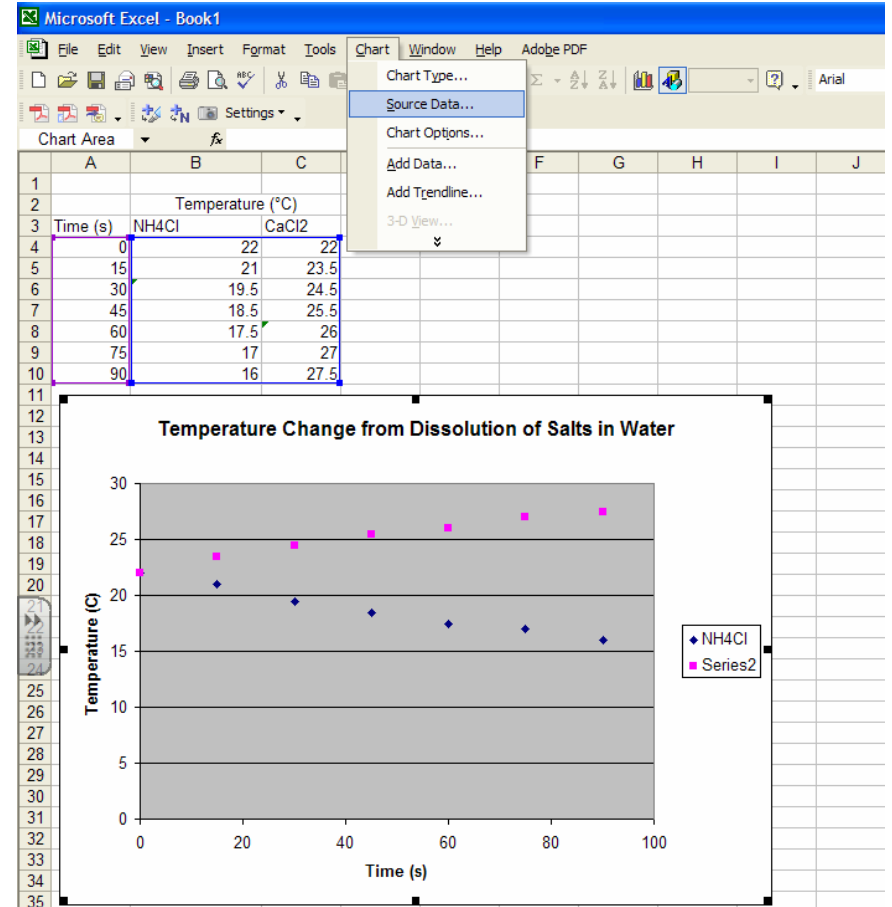
Step 7: To add a data series, click on the chart, click on the chart menu, then select "Add data."



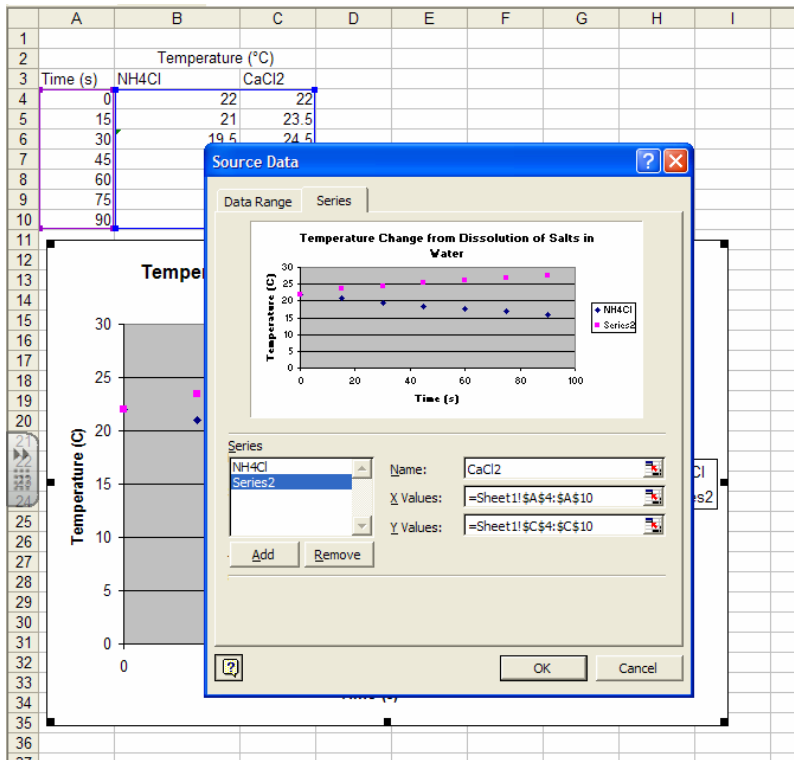
Step 8: Highlight the cells containing the data you want to add, then click "OK."



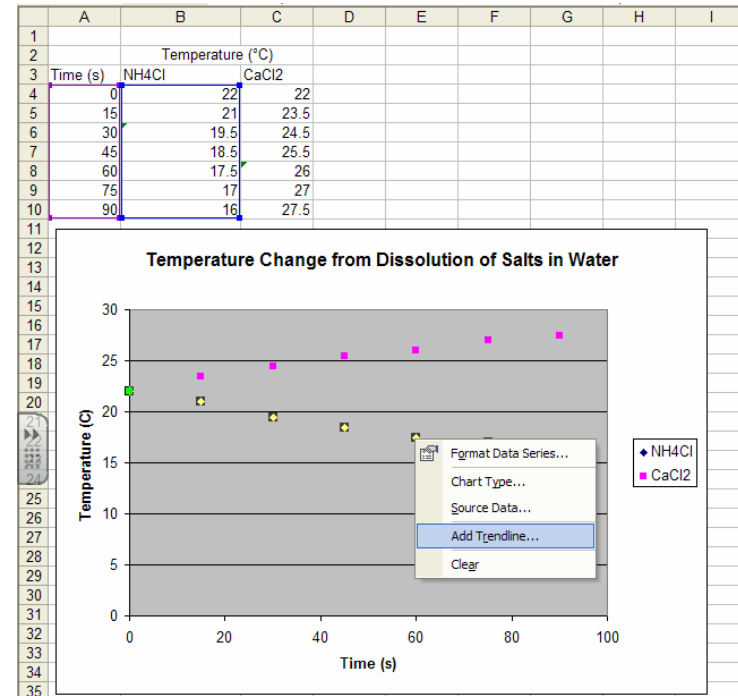
Step 9: Click on the chart again. Click on the chart menu, then click "Source data."



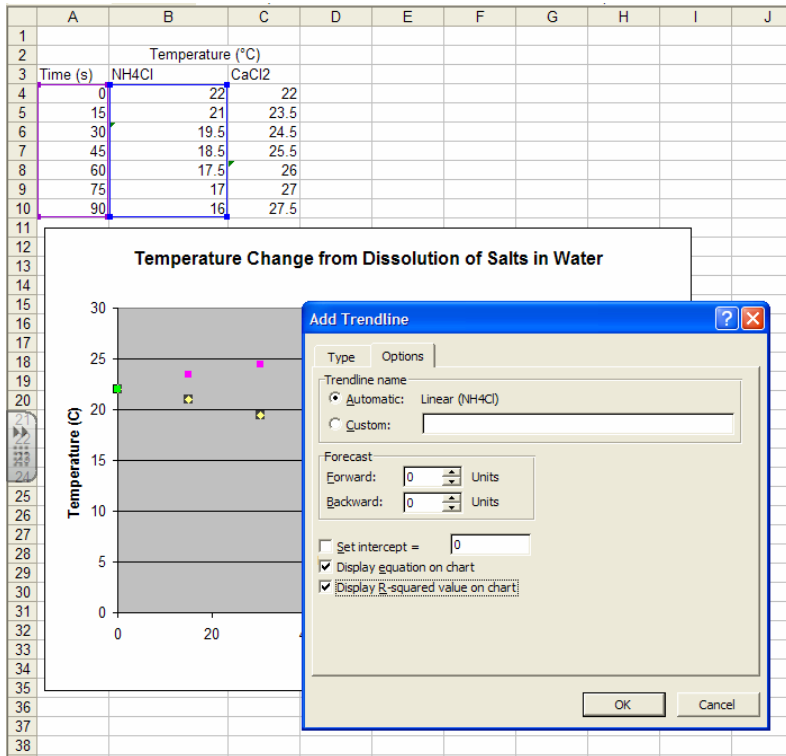
Step 10: Click on the "Series" tab, then click on "Series 2" in the Series window. Rename the series for the data set it goes with. Then click "OK."



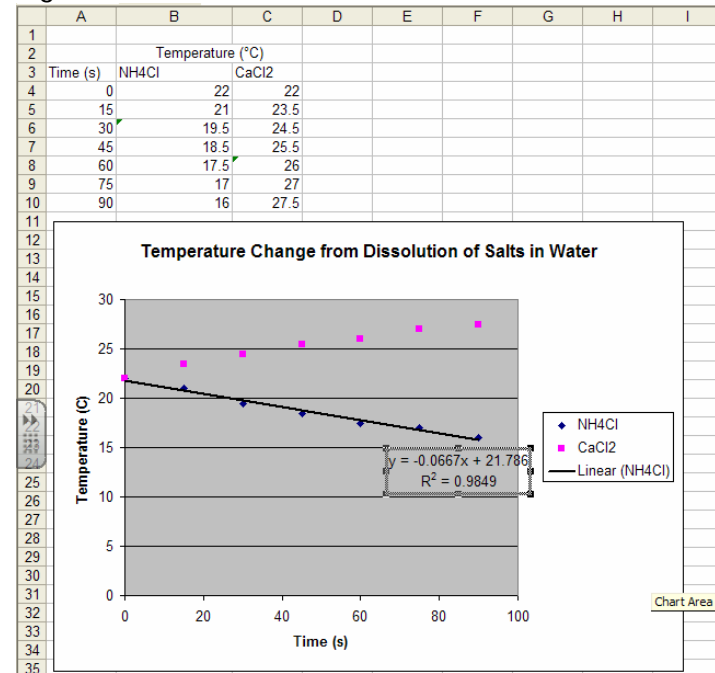
Step 11: To fit a line to your data, right-click on one of the data points in the series you want to fit. Then select "Add trendline." The Add Trendline window will appear. The default trend/regression type is linear, so leave this alone.



Step 12: Click on the "Options" tab in the Add Trendline window. Make sure the "Display equation on chart" box and the "Display R-squared value on chart" box are selected. Click "OK."



Step 13: Move the equation for the line to a visible spot where it is easily identifiable with the data set it belongs with.



Step 14: Repeat the steps for fitting a line to the other data.