

Important Rules for Graphing

It is important to draw graphs carefully and correctly. They display results of your experiment in a concise, easy to read format. The diagram below shows the important things to do and include when graphing.

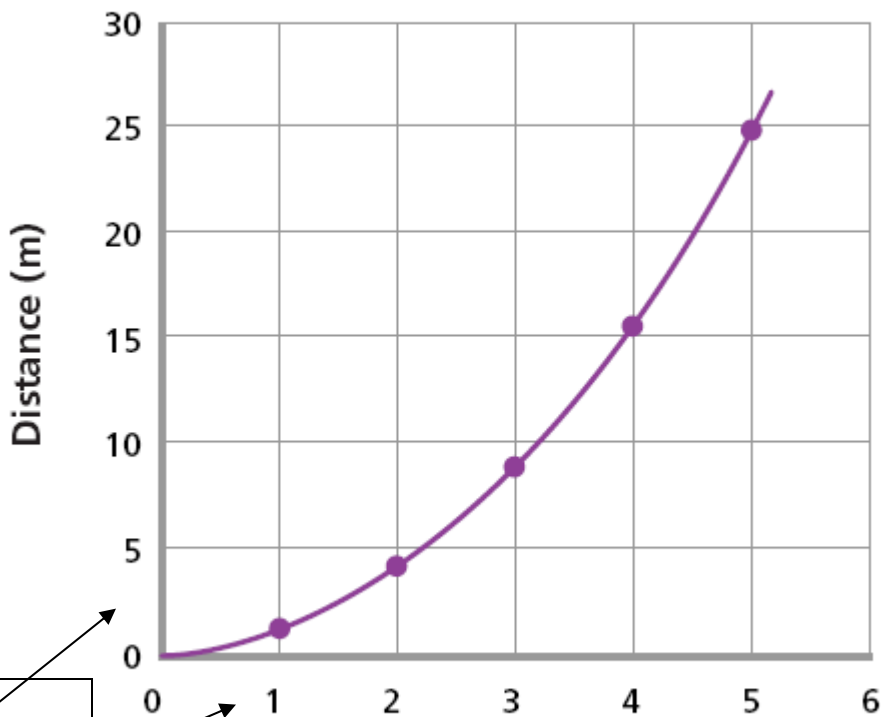
Title (at the top; tells what the graph is showing; matches the Data Table title.)

Distance vs. Time

Y-Axis
(Vertical Axis)

Responding Variable

Label with
(Units)



Numbers have **equal Increments**-evenly spaced and numbered on both axes.

Time (s)

X-Axis (Horizontal)

Manipulated Variable

Label with (Units)

When Graphing:

1. Always be **neat**.
2. Always use a straight edge (*ruler*).
3. Always be **complete** [*Title and Label both axes with(units)*].
4. Be as **accurate** as possible.
5. Use an **appropriate number system** on the axes.
6. Use color for bar graphs and if graphing more than one line on a line graph.
7. Use a **whole page** for each graph.