

## How to Construct a Line Graph

A line graph is one method of comparing two variables in an experiment. One variable is referred to as the independent variable and the other as the dependent variable. The independent variable is the one that is controlled in the experiment and the dependent variable is the one that is not controlled. The dependent variable changes in response to the independent variable.

There are normally two axes, horizontal (x axis) and vertical (y axis). The independent variable is plotted on the horizontal or x axis and the dependent variable is plotted on the vertical axis or Y axis. These axes meet at a point called the origin.

In addition, every graph must have a title and the axes must be labeled. Usually the divisions are equal and have the same value.

**The Number of Bacterial Cells Over Time**

