

Turn these key words into flash cards!	Cut out each horizontal row, fold on the centerline, and tape together!
analysis	Examining the evidence or observations to identify patterns in the data.
constant	A variable that does not change when other variables change.
control	A standard used for comparison of test results in an experiment.
data table	A table used to organize and record measurements made during an experiment.
dependent variable	A variable that changes as a result of changes in other variables.
evaluate	To judge something by certain criteria that you have established.
experiment	An organized procedure for testing a hypothesis under controlled conditions.
graph	A visual display of information or data that can provide a quick way to communicate a lot of information.

(bar) graph	A type of graph in which the length of bars are used to represent data. They are useful for comparing different categories of data.
(circle or pie) graph	A type of graph used to represent data as parts of a circle. They are useful when the data is expressed as percentages of a whole.
(line) graph	A type of graph that shows the relationship between variables. They are useful for showing changes in variables over time.
hypothesis	An explanation for an observation or scientific question that can be tested by investigation.
independent variable	The factor that you wish to test during an experiment and that is changed.
inference	A logical conclusion developed from the available evidence and prior knowledge.
observation	The act of watching and recording an event, characteristic, behavior, or anything else detected with an instrument or with the senses.

prediction	An explanation of what will be observed or what will happen.
qualitative observation	Include descriptions of sights, sounds, smells and textures that are not expressed in numbers.
quantitative observation	Can be expressed in numbers and include measurements of quantity, time, temperature, mass, distance and volume.
scientific method	An organized set of investigation procedures.
variable	Any factor that can change during an experiment.