

Controlled experiment	an experiment in which all of the variables except for one remain the same
Data	the facts and figures, and other evidence gathered through observation
Hypothesis	an explanation to a set of observations
Inference	an interpretation of an observation that is based on evidence or prior knowledge
Manipulated variable	a variable that is changed in the experiment
Observation	a skill that involves the one or more of the five senses
Responding variable	a factor that changes as a result of the manipulated variable
Science	a way of learning about the natural world and the knowledge gained through that process
Scientific Inquiry	diverse ways in which scientists study the natural world
Scientific Theory	a well tested concept that explains a wide range of observations
Variables	any factor that can change during an experiment