

Word of the Day List - Inquiry

Prediction – A statement about what may happen in the future based on prior experience or knowledge

Repeated Trials – the number of times a procedure is repeated

Controlled Variables – the variables in an experiment which are held constant to test the effect of the independent variable

Dependent Variable (responding) – the variable, which is affected by, changes in the independent variable

Independent Variable (manipulated)- a variable that is changed by the person conducting the experiment

Graduated Cylinder – a tall, narrow container with a volume scale used to measure liquids

Qualitative Observation – Characteristics of objects or events, other than numerical measurements

Quantitative Observation – Characteristics of objects or events that can be measured

Conclusion – a decision made after considering relevant facts and evidence

Inference – a conclusion drawn from evidence or reasoning

Law – a descriptive generalization about how some aspect of the natural world behaves under stated circumstances

Scientific Critique – an analysis of the strengths and weaknesses of a scientific investigation