
Scientist: _____

Date: ____ - ____ - ____ HR: _____

QPOEE Vocabulary List

Question	Variable	Knowledge Probe	Prediction
Data	Observation	Median	Mode
Data Analysis	Mean	Explanation	Range
Dependent Variable	Control	Scientific Method	Independent Variable
Outliers			

	This section is made up of a claim, evidence, and reasoning.
	Any item, factor, or condition that can be controlled or changed.
	This section of the investigation organizer helps the investigator organize what they see, hear, smell, touch, and taste during the investigation.
	This part of the investigation clarifies what the investigator and other scientists already knows about the topic. In class we will often watch videos and read articles to gather information for this section.
	In an investigation, the variable that is being measured by the scientist. The variable that is being affected by the experiment.
	This part of the investigation is a description of the outcomes that the researcher expects to happen. It is written in the form "If...then..." and also includes reasoning based on scientific principles.

	This section of the investigation organizer often includes the calculation of averages (or the mean) of a data set as well as graphs.
	The middle value of the data in numerical order.
	The facts or numbers collected from the investigation.
	The difference between the largest and smallest values from the data.
	In an investigation, this is the variable that is being changed or altered by the scientist.
	The numerical value that occurs the most often in the data.
	The average of all of the data collected.
	A process for experimentation that is used to explore observations and answer questions.
	In an investigation, these are the variables that are kept the same and not changed.
	This is the main idea of the investigation. It asks how changing one variable affects another.
	The numbers that 'lie outside' most of the other values in the set.