Na	me	Period Date
Scientific Method Vocabulary Practice		
Gle	ossary:	
Pro Fa Hy	ientific Method: oblem: ct: 'pothesis: periment:	a logical and systematic approach to problem solving. a question or difficulty that needs to be solved. a repeatable observation that many people can make. an "educated guess" or possible answer to the problem. the process of testing a hypothesis to determine if the hypothesis is
Ex Co	perimental Group: ntrol Group: .riable:	supported or not supported contains one factor or variable different from the control group used for comparison to determine if the single variable in the experimental group caused any differences any factor or condition which may affect the outcome of an experiment
	nantitative Observation:	
_	Qualitative Observation: Data:	any observation that does not require a number (Blue, windy, smooth, etc.) all the facts collected during an experiment (often recorded in data tables, pictures, drawings, or graphs).
Analysis: Bias:		looking for patterns, consistencies, or inconsistencies in the data. Interpreting the results of an experiment. an opinion that affects or alters the interpretation of the data. (For
Conclusion:		example, Personal bias, Cultural bias, Racial bias) a summary of what you learned by doing the experiment. Did the data collected support the original hypothesis? What future
Theory:		experiments are needed to strengthen the hypothesis? a hypothesis that has survived repeated testing over many years (The Atomic Theory, The Theory of Evolution)
Use the terms above to complete the following sentences.		
		arp are all examples of observations: interpreting the data is known as
	experiment.	is any factor like temperature that may affect the results of an
4.	Relativity is a because there is much evidence to support it and it has not been disproven by any experiments over the last 60 years.	
5.	The Brassica plant was 12.6 cm tall" is an example of an observation.	
6.	"Women don't have what	t it takes to be president." is and example of sexual
7.	The	is the part of an experiment used for comparison.
8.	The	is the part of an experiment that has one variable to be tested.

9. "The solution turned red." is an example of a ______ observation.