Name:_			Date:	Period:		
Experin	nental Design (Quiz 1				
	-	s of the scientific method be rst and 5 represents the las		order that they o	occurs. 1 represents	
5 1 3	Analyzo Make a Make a	a hypothesis e Data/ Draw a co an observation and prediction an experiment		estion		
Part 2: or not		ank using the word bank p	rovided. Words	may be used o	once, more than once	
Prediction Scientific Theory		Scientific Theory	Experiment	tal Group	Qualitative	
		Experiment	Independer		Bias	
Contro	l Group	Quantitative		Variable	Hypothesis	
	AA/leas destart				had a little and the	
A.	When designing an experiment scientists make a statement that forecasts what would happen if the hypothesis were true this is called the prediction . In order to					
	determine thi	s scientists design a(n)	predicti	<u>011</u>	In order to	
		ntrolledit will hav	ve a(11) <u>cc</u>	<u>introl group</u> o	r the group that	
R	provides a standard for comparison. Also, the scientists will have another group called the <u>experimental group</u> which have					
Б.		actors or the <u>indep</u>				
	collecting the data scientist will measure or count how the independent variable responds. The Measured or counted variable is called the <u>dependent variable</u> .					
C.		perimentation that scientist			quantitative	
	or data that is measurable with instruments or qualitative which is gathered through					
	your senses.					
D.	After all of the data collection, analysis and repeatedly testing scientists may be able to acquire					
	a well-substantiated explanation of some aspect of the natural world called a <u>scientific</u>					
	theory	theory				