Name:	Hr:	Score:	/42
inallie.	111.	Score.	/42

Empirical Evidence: A Definition - Worksheet



Read the article and then answer the questions.

1.	Empirical evidence is	acquired by	or
	(3 pts)		
2.	How do scientists use empirical ev	ridence? (3 pts)	
3.	Why do scientists use empirical ev	ridence? (3 pts)	
4.	How do scientists start the scientifi	ic method? (3 pts)	
5.	What is empirical research? (3 pts)		
6.	What is empirical data? (3 pts)		
7.	With the data/knowledge that scien	•	
	their		(3 pts)

8.	8. Before any pieces of empirical data are collected, scientists carefully design their						
	research methods to ensure the		and				
	of the data. (3	pts)					
9.	What are the two research methods used to gather empirical measurements and data?						
	and _		(2 pts)				
10.	research examines the reasons behind human						
	behavior. It involves data that can be found using the human senses. It is often done in						
	the beginning of an experiment. (1 pt)						
11	11 research involves methods that are used to collect						
	11 research involves methods that are used to collect numerical data and analyze it using statistical methods. This data is more exact in its						
	measurements, including mass, size or volume. It is often used at the end of an						
	experiment to refine and test the previous		at the one of an				
	·						
12. What are some things one can look for when determining if evidence is empirical:							
	o Can the experiment be	and	? (1 pt)				
	Does the experiment have a	about the _	,				
	and	used? (4 pt)					
	o Is there aof the	group or	being studied? (2 pts)				
13.	13. The strength of any scientific research depends on the ability to gather and analyze						
	empirical data in the most	and	fashion				
	possible. (2 pts)						
14. Is a scientific laws the same thing as empirical laws? Why or why not?							
	Yes or No (circle one) (1 pt)						
	Why? (3 pts)						