Physical Science Comprehensive Final Exam Study Guide

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

 1.0	The process of learning more about the natural world is			
	a. an experiment	C.	a hypothesis	
	b. a control	dl.	science	
2.7	Experiments and investigations must be			
	a. approved	C.	repeatable	
	b. unreproduceable	dL.	accepted	
3.7	A prediction about a problem that can be tested	is a	n(n)	
	a. hypothesis	C.	dependent variable	
	 b. independent variable 	dl.	control	
 40	A variable in an experiment that stays the same is a(n)			
	a. independent variable		constant	
	 b. dependent variable 	d.	control	
5	Science cannot answer questions about			
	a. distance	C.	politics	
	b. temperature	dL.	the natural world	
6	Models can be used to describe which of the following environments?			
	a. the floor of the ocean		space	
	b. volcanoes	d.	all of the above	
7.	Scientific must be supported by observations and results from many investigations and are not absolute			
	a. constants	C.	systems	
	b. theories	di.	laws	
8.	Another term for technology is			
	 a. applied science 	\mathbf{C}_{i+1}		
	b. controlled experiment	d.	sequence	
 9.				
	a. draw conclusions	C.	recognize a problem	
	b. form a hypothesis	d.	test a hypothesis	
 When conducting an experiment, the last step is to				
	a. analyze the data	C.	form a hypothesis	
	b. draw conclusions	d.	recognize a problem	
11.	Fo evaluate the observations you make, you must use			
	a. a hypothesis		measurements	
	b. critical thinking	dL.	models	
 12.				
	a. opinions		models	
	b. evidence		experiments	
 13.				
	a. guess		model	
	b. control	-	infer	
14.	In which of the following situations would it NOT be wise to estimate?			
	 a. the number of miles per gallon an automob 			
	 b. the time it would take to walk to the grocer 	y 54	ore from home	

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