FLPS	
Physical	Science

Student name	
--------------	--

Physical Science MP 1 - A

MATCHING - 1

Directions: Place the correct letter on the line that matches the definition to the word

	1. Empirical evidence	A. representation of something in the natural world
	_2. Science	B. describes a basic principle of nature that always occurs under certain conditions
***************************************	_ 3. Testable	C. any factor that can change in an experiment, observation or model
<u> </u>	_4. Evidence	D. hypothetical landmass that existed when all continents were joined
	_ 5. Law	E. well supported explanation of the natural world
	_ 6. Model	F. a result, issue or outcome; summing up the points and a statement of opinion or decisions reached
	_7. Pangea	G. the force of attraction by which terrestrial bodies tend to fall toward the center of Earth
	_ 8. Gravity	H. process of obtaining information by using the senses
	9. Theory	I. systematic study of natural events and conditions
	_ 10. Data	J. testable idea or explanation that leads to a scientific explanation
	_11. Experiment	K. evidence gathered from observation
	_ 12. Variable	L. the trial of the quality of something; proof
	_13. Observation	M. information gathered by observation or experimentation that can be used in calculating and reasoning
	_ 14. Hypothesis	N. that which tends to prove or disprove something; ground for belief
	15 Conclusion	O organized procedure to study something under controlled conditions

FILL IN - 1
Directions: Use each of the terms below just once to complete the passage.

hypothesis	theory	science
graph	table	data
law	experiment	model
empirical evidence		

1.	A good scientific	can repeated by someone else and the same results is	
	found.		
2.	A(n)	can be a visual or a mathematical representation of an object or	
	process.		
3.	Science uses	to support its explanation.	
4.	Data can be arranged in visual displays called	dto make identifying	
	trends easier.		
5.	A scientific	has a lot of support and is more than just a	
	"hunch."A(n)		
6.	A(n)	determines what will be tested in a scientific experiment.	
7.	The study of	involves the study of the natural world	
8.	. After data are collected, they are often arranged in a(n)		
9.	Unlike in society, a scientific	is simply a description of what we see.	
10	All of the	oathered in an investigation must be recorded.	

MULTIPLE CHOICE
Directions: Circle the letter that best completes the question.

1. What would	l caus	se a theory or model to change?		
	A.	new evidence	C. new experiment	
	B.	new explanation	D. they never change	2
2. What types	of w	veb pages would have the most reliable sci	entific information?	
	A.	the government	C. a university webpa	age
	B.	NASA	D. all of the above	
3. An experim	ent te	ests the		
	A.	conclusion	C. data	
	В.	hypothesis	D. observation	
1. How many v	varia	bles are tested during an experiment?		
	A.	1	C. 3	
	В.	2	D. 4	
5. How many	layeı	does Earth have?		
		A. 1	C. 3	
		B. 2	D. 4	
6. What are so	me c	haracteristics shared by people working in	the field of science?	
	A.	they are curious	C. they are problem :	solvers
	B.	they are creative	D. all of the above	
7. Who identif	ied a	nd coined the word "cell"?		
	A.	Robert Hooke	C. Antoine Lavoisier	
	B.	Marie Curie	D. Luis Alvarez	
8. Data can be	e arra	anged in visual displays called		to make identifying trends
		A. model	C. graph	
		B. table	D. equation	

9. The horizontal	axis, x-axis, displays the	
A	. dependent variable	B. independent variable
10. How many ty	pes of graphs did we learn about?	
A	. 1	C. 4
В	. 3	D. 5
11. They used	d the "bluegills" to test the water because th	e fish
A	. they cough	C. vomit
В	. they swim in circles	D. they die
SHORT ANSW Directions: Answ		mplete sentences. Spelling and grammar count.
1. What is ex	mpirical evidence?	
2. Name two	o ways scientists show creativity.	
3. What was	s the landmass called before the separation?	Name the seven continents.
4. What two	o types of scientific knowledge can be expre	essed as mathematical equations?

5. What are the steps to the scientific method?	
ESSAYS Directions: Using complete sentences answer the essa and grammar count.	y completely using at least 5-7 sentences Spelling
1. Do you think the contributions of old scientists are years ago? Explain	still valuable, even though some were made hundreds of