

Science 1 ~ Nature Of Science (NOS) Study Guide ~ **Test: Thursday 9/8/16 and Friday 9/9/16**

1. The three branches of science are:	
2. True or False: A. Science is only important to scientists. B. Scientists always agree on everything. C. People use science in their everyday lives. D. Science is very interesting, but not very useful.	
3. What is a Scientific Theory?	
4. Describe a Scientific Law.	
5. Write an example of a fact: (Can be proven)	
6. Write an example of an opinion: (Based on own thought/attitude)	
7. Which of the following can be studied through scientific inquiry? A. Is it fair to have more than 1 best friend? B. Do the colors purple and orange look good together? C. What type of crust makes the best pizza? D. If someone plays the violent video games are more likely to display violent behavior.	
8. What instrument is used to measure the following: A. Temperature B. Wind Speed C. Humidity	
9. What is the SI system's base unit?	
10. Fill in the SI System meanings: K H D U D C M	
11. True or False If you are careful while measuring, you can get an exact measurement.	
12. How many significant digits are in the following numbers: A. 21,5000 B. 0.076 C. 0.7400 D. 683	
13. What could you use to categorize the following information: (Mean/median/Mode/Range) Dog, dog, cat, bird, dog, cat, bird, bird, bird, dog, cat, dog	
14. How do you find the range?	
15. Define: Independent variable: Dependent variable:	
16. What is the best way to test a hypothesis?	
<b>Matching</b>	
A. First B. Second C. Third D. Fourth ___ 1. Identify the problem ___ 2. Gather information through research ___ 3. Testing the hypothesis ___ 4. Develop a hypothesis	