**Brain Pop – Scientific Method**

1. **The Scientific Method is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that scientists use to help \_\_\_\_\_\_\_\_\_\_\_\_ why things happen the way they do.**
2. **The Scientific Method is a logical step-by-step method of scientific \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solving.**
3. **The first step in scientific problem solving is to recognize the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
4. **This leads to an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to ask a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
5. **Next make an \_\_\_\_\_\_\_\_\_\_ which is a conclusion about the observation.**
6. **Translate/reword the inference into a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
7. **A hypothesis is a \_\_\_\_\_\_\_\_\_\_\_\_\_ explanation for your observation or an educated guess.**
8. **Then you do an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to test the hypothesis.**
9. **When doing an experiment you only change \_\_\_\_\_ Variable at a time ( \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ variable).**
10. **Record your observations, \_\_\_\_\_\_\_\_\_\_ your data/information.**
11. **From your analysis you form a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
12. **You always \_\_\_\_\_\_\_\_\_\_\_\_\_\_ your experiment several times, to see if the result is always the same.**
13. **If the results does \_\_\_\_\_\_\_\_\_\_\_\_ support the hypothesis, then the hypothesis has to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
14. **If the results \_\_\_\_\_\_ support the hypothesis, then the hypothesis can become a \_\_\_\_\_\_\_\_\_\_\_\_ eventually a law.**
15. **A Theory is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ statement that has been repeatedly confirmed through experimental testing.**

**Moby’s Experiment:**

**Controlled Variables: 4 healthy Fig \_\_\_\_\_\_\_\_\_. Same type of \_\_\_\_\_\_,**

**Same \_\_\_\_\_\_\_\_\_\_\_\_, same amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Changed Variable (Independent) Amount of \_\_\_\_\_\_\_\_\_\_\_\_\_ each plant received.**

**Plant A = no water, B = watered \_\_\_\_\_\_\_\_\_\_\_\_ day, C = Watered 3 times a week, and D = watered \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a week.**

**Result (Dependent Variable) Plant D that was watered \_\_\_\_\_\_\_\_\_\_\_\_ a week grew the best.**