**j0299125Scientific Method Notes**

1. **Purpose**
   1. A logical process used to \_\_\_\_\_\_\_\_\_ questions
   2. Effective way to \_\_\_\_\_\_ a question and gather \_\_\_\_\_\_\_\_\_\_
2. **Observation**
   1. \_\_\_\_\_\_\_\_\_ of objects in the environment or \_\_\_\_\_\_\_\_\_\_\_ occurrence
   2. Brief, \_\_\_\_\_\_\_\_\_, and concise
   3. Generate a question about the \_\_\_\_\_\_\_\_\_\_
3. **Hypothesis**
   1. If, \_\_\_\_\_\_\_ statement
   2. An \_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ for a question that can be formally \_\_\_\_\_\_\_\_\_
4. **Experimental Design**
   1. An investigation or \_\_\_\_\_\_\_ used to \_\_\_\_\_\_\_ a \_\_\_\_\_\_\_\_
   2. Contains an independent variable, dependent variable, and control
   3. MCj04398510000[1] **Control** is the \_\_\_\_\_\_\_\_\_\_\_\_ situation
   4. **Independent variable** 
      1. The only variable ­\_\_\_\_\_\_ in the experiment
      2. The condition being \_\_\_\_\_\_
      3. The \_\_\_\_\_\_\_\_ thing that could be \_\_\_\_\_\_ the \_\_\_\_\_\_\_
   5. **Dependent variable**
      1. what is observed or \_\_\_\_\_\_\_\_
      2. depends or \_\_\_\_\_\_\_\_when the independent variable is used
      3. measure \_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_
5. **Collect Data**
   1. Record Results (data)
      1. MCj03519760000[1]**Qualitative Data**
         1. \_\_\_\_\_\_\_\_\_ and estimates, Ex. \_\_\_\_\_\_\_\_\_\_\_\_
      2. **Quantitative Data**
         1. \_\_\_\_\_\_\_\_\_ and measures, Ex. \_\_\_\_\_\_\_\_\_\_\_\_
6. **MCj03109220000[1]Analyze Data**
   1. Graph data and look for \_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_
   2. Statistics
      1. Percentage or proportion
      2. \_\_\_\_\_\_\_\_\_
      3. \_\_\_\_\_\_\_\_\_\_ with other \_\_\_\_\_\_\_\_\_\_
7. **Conclusion**
   1. Interpret data
      1. Determine if the \_\_\_\_\_\_\_\_\_\_\_\_\_ was correct
      2. Did the data \_\_\_\_\_\_\_\_\_\_\_\_ the hypothesis?
      3. What \_\_\_\_\_\_\_ (further studies) could be allowed