**Scientific 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