* + - 1. Pose a Research Question
1. Develop a Hypothesis
2. Plan an Investigation
3. Assemble Data
4. Analyze Data
5. Draw Conclusion

**Pose Research Question:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Develop Hypothesis:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Plan Investigation:**

Equipment: 1. 2. What Data will be collected**?** 1. 2.

Where will Data be collected?

How much Data will be collected?

**Record/Assemble Data in a Table:**

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| --- | --- | --- | --- |
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**How Will Data Be Visually Displayed?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Analyze Data:**

* The data results support (do not support) our hypothesis because…
* This data is important to science and our community because…
* Limitations to our data are…
* Possible sources of error data collection and recording include…

**Draw Conclusion:**

* Our conclusion is (or is not) supported by the results because…
* Improvements to our research can be….