Living Environment - Making Connections

Guidelines for Designing a Controlled Experiment

1. Determine the Question you are trying to answer.
2. Formulate the hypothesis you will be testing with your experiment.
3. Formulate a Title for your investigation.
4. Plan the design of your experiment.
   1. What are you collecting
   2. Independent variable
   3. Control
   4. Sample size
   5. Safety
5. Design one or more data tables that you will use to collect your data.
6. Write out the steps you will follow to conduct your experiment.
7. Have your experimental design approved by teacher.
8. Conduct your experiment and….
   1. Discussion of Conclusion
   2. Suggestions for Improvement
   3. Suggestions for further research