**Name:**

**Other group members:**

**Date:**

**Period:**

|  |  |  |
| --- | --- | --- |
| **PROBLEM QUESTION:**  Identify your variables, then write a testable question for this experiment.  Remember, your question should include your variables. | |  | | --- | | **Manipulated Variable:**  **Responding Variable:** | |
| **BACKGROUND INFORMATION/RESEARCH:**  Use your prior knowledge or experiences, along with research to help you in finding an answer to your problem question. |  |
| **HYPOTHESIS:**  Write a proper hypothesis.  Your “because” statement should include information from your background information and help explain your thoughts. | **Hypothesis:** |
| **EXPERIMENT:**  The experiment portion of your lab report will include all materials needed for the experiment and a repeatable procedure. | **Materials Needed:**  **Procedure:**   |  | | --- | | **Controlled Variables/Constants:** | |

|  |  |
| --- | --- |
| **DATA TABLE / OBSERVATIONS:**  All your data and observations need to be recorded while conducting an experiment.  This information is analyzed and used to determine if your hypothesis was correct. (HOW MANY TRIALS AND WHAT THE MANPULATIONS ARE) |  |
| **ANALYZING DATA QUESTIONS:**  Answer the following conclusion questions. (5 QUESTIONS) |  |