

## Airplane Lab Report

Sample hypothesis: The weight of a paper airplane determines its maximum flight distance.

Your hypothesis:

Materials: (List the materials you actually used here.)

Procedure: (Design a procedure to test the hypothesis. List it here, in enough detail that a classmate would be able to reproduce your experiment.)

Experiment design: (Please identify and record your independent variable, dependent variable, at least 4 constants, and your control.)

Data: (Create a data chart with trials and results below. Then, create a graph to show your results pictorially. Attach the graph to this report.)

### Analysis & Conclusion:

1. If you did this experiment again, would you get the same results? Why or why not?
2. Will someone else who follows your procedure get the same data? Why or why not?
3. Besides weight, what factors affect the flight of a paper airplane?
4. How else could you have designed the experiment to test this hypothesis?
5. Which variables could you manipulate? Which were fixed?
6. Did your data support or disprove the hypothesis? Explain.
7. Why did we fly paper airplanes? (In other words, what did you learn from this activity?)