Name: ______________________________

FLIGHT DATA SHEET

Indoor Flight

1. Find an open space in your classroom or hallway. Safety warning: DO NOT THROW PAPER AIRPLANES TOWARD OTHERS. One person should throw the paper airplane while the other measures the amount of time the paper airplane stays in the air. Record the time in the chart below. Discuss and record any flight observations. Then, switch jobs.

<table>
<thead>
<tr>
<th>Trial</th>
<th>Flight Time (sec.)</th>
<th>Flight Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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<td>2</td>
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<td>3</td>
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<td>4</td>
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</tbody>
</table>

2. Were all of your flight times the same? Why or why not?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Outdoor Flight

3. With your teacher, go outdoors. Describe the weather conditions:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
4. Repeat the procedure in #1 with your airplane outdoors.

**FLIGHT DATA: OUTDOORS**

<table>
<thead>
<tr>
<th>Trial</th>
<th>Flight Time (sec.)</th>
<th>Flight Observations</th>
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<td>1</td>
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</table>

5. Were all of your flight times outdoors the same? Why or why not?

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6. Did your paper airplane glide longer inside or outside? Why do you think that happened?

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7. How do you think weather conditions affect a real airplane’s flight?

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8. Why doesn’t your paper airplane keep flying like a real airplane?

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