Name:	Whirlybird Experiment	Date:
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Question: (What we hope to answer by performing the experiment)

How does the length of time for a whirlybird to fall depend on the number of paper clips attached to it?

Hypothesis: (A guess that answers your question. You could also provide a reason why you guessed this.)

Materials: (A list of the materials or items required for this experiment)

- whirlybird cutout template on regular paper
- at least 3 standard paper clips
- a stopwatch or other time recording device

Procedure: (A list of instructions that tell you, or anybody else, how to perform your experiment)

- 1. Carefully cut out the whirlybird shape from the paper template.
- 2. Along the dotted line, fold one wing forward and the other wing back.
- 3. Attach a paper clip to the bottom.
- 4. Hold your whirlybird at the maximum height you can reproduce consistently and drop it.
- 5. Measure the time required for the whirlybird to hit the floor and record it on your data sheet.
- 6. Repeat steps 4 and 5 two more times and record the data each time.
- 7. Attach 2 paper clips and repeat steps 4, 5, and 6.
- 8. Attach 3 paper clips and repeat steps 4, 5, and 6.

Observations: (A record of what you saw and measured during the experiment)

Number of Paper Clips		Average Flight Time $t_{avg} = \frac{t_1 + t_2 + t_3}{3}$			
	1	2	3	$\iota_{avg} - {3}$	

Discussion: (Your thoughts on the experiment – what you observed, what went wrong, etc.)

- 1. Independent Variable: (What I'm changing, or controlling, in the experiment)
- 2. Dependent Variable: (What I'm measuring)

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3. (Controlled Variables: (What stays the same each time I perform the experiment)															
4.	Graph: (A visual rep	isual representation of our experimental data)														
	When graphing expedependent data on the			put the	indep	endei	nt data	on th	e hori	izont	al a	xis,	and	l the		
	Graphs should alway the units (if it has ur		title, a	nd each	of the	e axe	s shou	ld be	labello	ed w	ith a	ı de	scrij	ptio	n an	d
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Conclusion: (The answer to your question, based on experimental data. Was your hypothesis correct?)