

Glider Data Sheet

Name: _____ Period: _____ Date: _____

Fill in the chart below. You will be allowed to toss your glider 5 times. On the first toss, place one washer on the hook of your glider. For each of your next tosses, add or take away washers in order to maximize the distance traveled.

Launch Trial	# of Washers	Launch Height	Horizontal Distance
1	1		
2			
3			
4			
5			

1. How many washers maximized the distance traveled by your glider?
2. How did adding weight to the hook change the performance of your glider?
3. Write a linear equation for the path your glider traveled when it went the farthest.
4. What is the slope of the glider path based on the equation that you made in #3?
5. If your group was given the opportunity to build a second glider, what would you change in the glider? Why?