

Class Flight Data Analysis

Name: _____ Date: _____ Period: _____

Part 1. Class Data Summary

As each group reports their average, fill it in the table below. When all groups have reported, calculate a class average for each wing configuration.

Wing Configuration	Group 1 Avg	Group 2 Avg	Group 3 Avg	Group 4 Avg	Class Avg
Straight Wing					
Elliptical Wing					
Swept-back Wing					
Delta Wing					
Swept-forward Wing with Canard					
Swept-back Wing with Canard					

Rank	Wing Configuration	Class Avg (ft)	Notes
1			
2			
3			
4			
5			
6			

Part 2: Building a Bar Graph

Directions: In the space below, create a bar graph showing the class average for each wing configuration. Make sure your graph includes the following:

- Title: "Average Flight Distance by Wing Configuration"
- X-axis: labeled "Wing Configuration." List each configuration by number (1–6) under each bar.
- Y-axis: labeled "Average Flight Distance (ft)." Start at 0, go up to at least 16 ft, use 2 ft intervals.
- Bars must be the same width, evenly spaced, and drawn with a ruler.
- Both axes must include labels and units.

