

Name:

Partners Name:

## Paper Airplane Investigation

### Airplane Design 1

	Trial 1	Trial 2	Trial 3	Trial 4	Average
Distance (meters)					
Flight Time (seconds)					

Make an adjustment to your original airplane design that you think will improve its flight. How/why do you think this adjustment will improve the airplanes flight?

### Airplane Design 2

	Trial 1	Trial 2	Trial 3	Trial 4	Average
Distance (meters)					
Flight Time (seconds)					

Did the design adjustments you made improve your airplanes flight? Why or why not?

Make an adjustment to your original airplane design that you think will improve its flight. How/why do you think this adjustment will improve the airplanes flight?

**Airplane Design 3**

	Trial 1	Trial 2	Trial 3	Trial 4	Average
Distance (meters)					
Flight Time (seconds)					

Did the design adjustments you made improve your airplanes flight? Why or why not?

Which of your airplane designs worked the best and why?

Draw a diagram of your airplane in flight. Draw and label arrows with the forces acting upon the airplane in flight. Make sure to include the terms thrust, lift, weight, and drag.