Force and Motion Assignment #5 Bottle Rockets

NAME:		Date due:	
	swer the questions in the motion to support your a	e spaces provided. Use all of your knswers.	nowledge
Data collection:	(remember to always inc	elude units with all measurements)	
Size of bottle us	ed:		
Amount of water	Distance travelled approx.	Calculations of % of bottle filled with water	% of bottle filled with water
0 ml		100 =	0%
		100 =	
		100 =	
		100 =	
1. What is to		of water to put in your bottle rocket t	o have the
2. Calculate how much water (in ml) that means you must put in your 2L pop bottle.			

3.	Why do we put fins on our rockets?
4.	What is aerodynamics? (You may have to look this up.)
5.	List 4 areas that aerodynamics is important. (Example: The shape of a car for better gas mileage)
6.	Explain why you need to put a weight in the nose of your cone.