	Name: <u>Camryn C</u> Date: <u>1/12/15</u>		
	Class/Period: P.6		
	Lesson Topic: Bottle Rocket		
Essential Question (to guide your note-taking)	How does a bottle rocket work?		
Main Ideas/ Sample Test Questions Newton's Laws of Motion	 "Every object persists in its state of rest or uniform motion in a straight line unless it is compelled to change that state by forces impressed on it." "Force is equal to the change in momentum (mV) per change in time. For a constant mass, force equals mass times acceleration" F=m a "For every action, there is an equal and opposite re-action." Second law- associated with the change in momentum Third law- Explains the generation of thrust by a rocket engine 		
Forces	Thrust- used in	opposition to	weight
	Lift- used to stabilize	and control t	he direction of flight
	Weight- overcome	by lift force	
	Drag- usually much	greater than Thrust	the lift
Rocket Flight	An object attitude. In any object and rotation. direct response rotations are in external (twisting	Translation and Rotation Later Position Translation plus Rotation	rotates, or charges its general, the motion of involves both translation. The translations are in to external forces. The direct response to torques or moments forces).

Summary	