Name:			
Bernoulli's Principle SPH4C			
AIR THAT'S MOVING HAS A LOWER PRESSURE THAN AIR THAT'S NOT. SO THE STILL AIR IN THE ROOM ALWAYS PUSHES THE PING PONG BALL BACK INTO THE MOVING AIR FROM THE HAIR DRYER.	ANUEL OF	FRATZ, CAN WE BORROW JOUR LEAF BLOWER?	MR. BURKE MUGT BE TEACHING BERNOULLI'S PRINCIPLE AGAIN.
The speed at which a fluid flows depends on the			of the pipe.
In the diagram below, the fluid must flow more quickly in section than in section			
The water must	_as it moves	water moves slowly	
from A to B.			water moves quickly
This acceleration must be caused by a			
This force is caused by the difference in			
between the t		direction	
Bernoulli's Principle: of flow			
Where the speed of a fluid is low, the pressure is			
Where the speed of a fluid is high, the pressure is			
The upward force, or, on an airplane wing can be explained using Newton's 3rd			
Law of Motion and Bernoulli's Principle. A	s the wing moves	air reduc	Ced pressure
forward, air off the bo	ottom of the wing:	20	pressure
the wing pushes on the air. The air theref			
(the for	ce).	deflection of air off wing	
The speed of the air near the deflection is less than the speed of the flow of air over the wing.			
Therefore the			than the
pressure over the wing.			