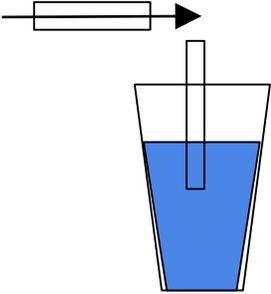
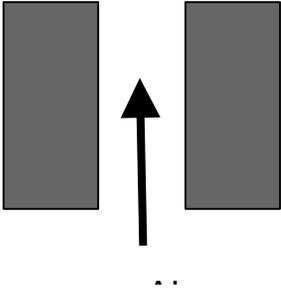
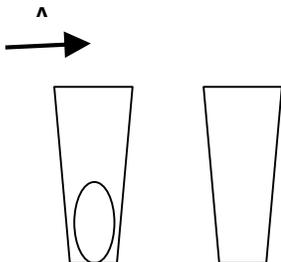


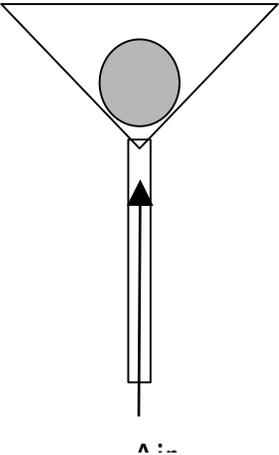
## *Physics of Flight - Demo Stations*

<i>Bernoulli's Water Gun</i>	<i>Diagram</i>
<p>Fill cup with water.            Cut Straw in half so that you have two straws.            Place one of the straws in the water.            What will happen if you blow across the top of one straw in the water with the other straw.            Blow across the top of the straw with the other straw. What happens? Why?</p>	

<i>Crashing Cans</i>	<i>Diagram</i>
<p>Set two empty soda cans on a table. Place them parallel to each other and a few centimeters apart.            Do the cans move? Why not?            Predict what will happen if you blow between the two cans.            Blow across the table between the two cans. What happens? Why?</p>	

<i>Magic Moving Ball</i>	<i>Diagram</i>
<p>Place two plastic cups about 6 inches apart. Place a ping pong ball in one of the cups.            Predict how to get the ball from one cup to the other without touching the ball or cup.            Test out your ideas. Did any work?            If not, gently blow across the top of the cup with the ball in it. What happens? Why?</p>	

<i>Flip a coin</i>	<i>Diagram</i>
<p>Predict how to get the coin onto the plate without touching the coin or plate.</p> <p>Test out your ideas. Did any work?</p> <p>If not, blow across the top of the coin. What happens? Why?</p>	

<i>Heavy Ball</i>	<i>Diagram</i>
<p>Choose a person with strong lungs.</p> <p>Have them try to blow the ping pong ball out of the funnel.</p> <p>Can they do it? Why not?</p>	

<i>Mighty Card</i>	<i>Diagram</i>
<p>Fold an index card so that about a cm on both ends has been folded at a right angle to the rest of the card.</p> <p>Place the card on a flat surface with the folded parts facing down.</p> <p>Have someone in the group try to blow the card off the table by blowing under the card. Can they do it? What happens? Why?</p>	