

# **Bernoulli's Straw**

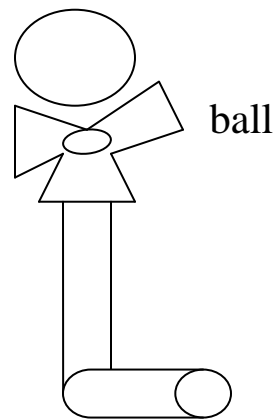
## **DON'T EAT THE CHEESE**

## **BALLS!**

**THEY ARE FOR EXPERIMENTAL PURPOSES  
ONLY!**

### **Materials:**

1 drinking straw  
1 cheese ball or a cheeseball-sized Styrofoam  
lips and lungs



### **Procedure:**

1. Cut the end closest to the "elbow" of the straw into three sections. Bend the three sections back as illustrated.
2. Balance the cheese ball on the end of the straw (not the lips end) and blow gently through the straw.

### **Explanation:**

This experiment demonstrates one of Bernoulli's Principles. When air is rushing over the top part of a ball, an area of lower air pressure is created. Since the air pressure on the bottom of the ball is still the same, it pushes up on the ball and prevents it from falling off the straw. (Unless an unequal force causes it to fall such as irregular air pressure or a change in the delicate balance of the cheese ball.)