

## LUNG MODEL 2013-2014



### Introduction and Materials

When you breathe in, oxygen goes through your nose or mouth, down your trachea and into your lungs, with the help of your diaphragm. The balloon at the bottom of the cut represents the diaphragm in a human body. The rubber stopper acts as the trachea and the small balloon as the actual lungs. When you breathe in, your diaphragm relaxes, letting air into your lungs. When you exhale, your diaphragm contracts, releasing air back out. Pull down and push in the balloon at the bottom of the cup to see the demonstrated model version of breathing.

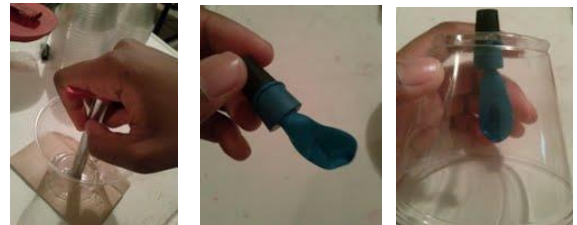
### MATERIALS -

- Cup
- Party-size balloons, 30 cm in diameter
- Scissors
- Rubber Stopper
- Cork borer
- Small Balloon

### PROCEDURE

For my project, I will use the balloons and the plastic bottle to make a model of the lung. The diaphragm is a muscle located under the lungs that assists us in breathing. The model will demonstrate that action.

1. With the under support of cardboard, cut a hole at the bottom of the cup with the cork borer.
2. Place the small balloon and the wider part of the rubber stopper.
3. Place the rubber stopper securely in the hole of the cup. *Note - Make Sure there are no holes or the air will escape*
4. Take the larger balloon and cut it.
5. Wrap the cut balloon around the cup.



For Video

For website

