

## UNIT 9 - RESPIRATORY SYSTEM

### ACTIVITY: Construct a Lung

#### **Materials:**

scissors  
1 or 2 liter soda bottle with label removed  
7" and 9" balloons

#### **Stratgey:**

Cut off and discard bottom of soda bottle. Invert the 7" balloon inside the bottle after stretching the balloon over the mouth of the bottle. Cut top off a 9" balloon and stretch this top over the bottom of the bottle. Hold the bottle with one hand and, with your other hand move the surface of the balloon at the bottom of the bottle by pulling and pushing it.

#### **Discussion:**

What happens to the balloon?  
Why does it inflate and deflate?  
What large muscle is important in inhaling and exhaling and how does the model demonstrate its action?