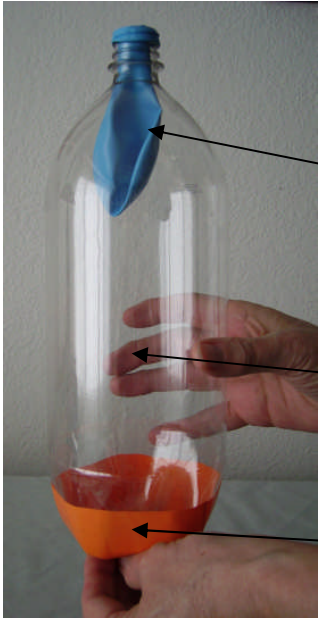


Bargain Basement Lung Demonstrator

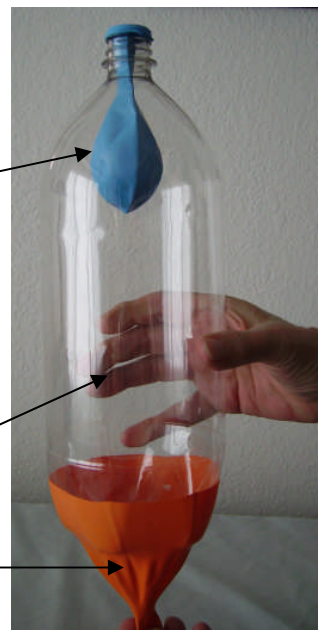


Lung
Contracted Expanded

Boyles Law at work

Volume reduced, pressure ↑
Volume increased, pressure ↓

Lung Diaphragm
Raised Lowered



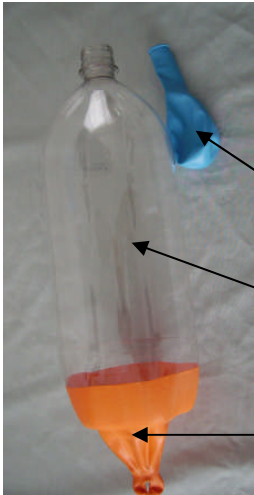
- Materials required:
2 liter clear soda bottle
1 10" balloon
1 Punch balloon



Remove label



Punch several holes in base of bottle.



Insert 10" balloon in bottle opening. Stretch balloon neck around outside of bottle opening

10" balloon
Represents Lung

Bottle interior represents lung cavity

Punch balloon
Represents Diaphragm



Cut punch balloon at pencil location. Stretch bottom portion of balloon around base of bottle.