Bargain Basement Lung Demonstrator

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

Instructions:
1. Punch several holes in base of bottle.
2. Cut punch balloon at pencil location. Stretch bottom portion of balloon around base of bottle.
3. Insert 10" balloon in bottle opening. Stretch balloon neck around outside of bottle opening.

Information:
- Bottle interior represents lung cavity
- Punch balloon represents diaphragm
- Lung contracted expanded

Boyles Law at work
- Volume reduced, pressure ↑
- Volume increased, pressure ↓