



Elastic Lungs

Introduction: This experiment will take your breath away, as today, we are making a model of a lung.

Approximate Time: 20 minutes

Materials:

- Sturdy empty plastic bottle
- 2 uninflated balloons
- Straw
- Clay/Playdough
- Rubber bands
- Scissors



Procedure:

1. With the help of an adult, cut the water bottle in half and keep the top half.
2. Take an uninflated balloon and tie a knot at the end.
3. Cut the top of the knotted balloon off.
4. Stretch the balloon over the cut side of the bottle
5. Take your straw and rubber band the other balloon to one of its ends.
6. Put the end of the straw with the balloon attached into the mouth of the balloon
7. Seal the mouth of the water bottle with the clay
8. Gently pull on the knotted balloon to inflate the “lung” and release to deflate.

Tips & Tricks:

- Good sturdy plastic bottles include Dasani water bottles and Gatorade bottles
- Make sure your balloons are stretchy and large

Scan for Video

