In this lab, you will consider the problem: how do changes in volume affect lung function? Using a simple model made of a syringe and marshmallow, you will test and observe the impact of pressure changes and extrapolate how this relates to lung function.

Materials:
› 1 100 ml syringe (no needle)
› 1 miniature marshmallow

Procedure:
1. Remove the plunger from the syringe.
2. Put the marshmallow into the syringe.
3. Put the plunger back into the syringe and gently push down until the marshmallow is at the “needle” end of the syringe. Caution: Do not squash the marshmallow!
4. Cover the end of the syringe with your finger and pull back on the plunger without pulling it out of the syringe.
5. Release the plunger and observe.

Observations: