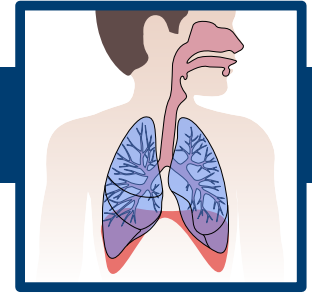


LESSON 2: RESPIRATORY EXPLORATORY

Exploratory Laboratory 2B: *Under Pressure!*



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: