

How much air do you breathe?

See how much air you can hold in one breath!

Steps:

1. Breathe in as much air as you can.
2. Exhale out into the balloon and quickly tie the balloon shut.
3. Holding one end of a piece of string, wrap it around the balloon at its widest point.
4. Mark the string where the two ends meet with a pen.
5. Use a ruler to measure the length of string. The string represents the amount of air you breathe out. Write down the length.

6. Record Data: Keep track of the number of times you breathe in one minute.

7. Compare the length of your string and the number of times you breathed in to those of your group.

a. Were they the same or different? _____

8. Why do you think this is? _____

9. What relationship, if any, can you see between breathing rate and how much air can be held in one breath? _____

Name _____

Date _____

Breathing Differences

1. Ask a question: _____

2. Form a hypothesis about breathing: _____

3. Explain how your investigation will test this hypothesis: _____

a) teacher's approval _____

4. Conduct the investigation. Write down observations or data collected.

5. Write your conclusion: _____

Name _____

Date _____