

Room 61	Room 62
2.3	1.8
1.0	1.7
1.5	2.0
2.3	1.5
3.0	1.6
2.3	1.5
2.5	1.5
2.5	1.7
1.5	1.4
1.5	2.5
1.4	2.0
1.4	3.0
2.5	1.6
	3.0
	2.0



Room 61
Room 62

To Graph a Lung Capacity Experiment

In science class we measured our lung capacity. (Experiment directions below)

We put the results on 3 different spreadsheets, 1 for girls and 1 for boys.

Then we made the graph.

1. We highlighted the numbers.
2. Then we pressed the graph key*.
3. Then we picked "line" under "chart type."
4. You can choose any of the line graphs.
5. Then click next until you get to "chart wizard- step 4 of 4- chart location."
6. Then click finish.
7. Double click the legend and you can make it different patterns, colors, and font.
8. Then you are finished.

*The Graph icon is on the line with the save, print, & open icons.

How to do the lung capacity experiment.

Materials-

- 2- liter bottle with markings on the side that says the $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and the 1 littler mark up to 2 liters. Cut about $\frac{3}{4}$ inch off the lip.
- A really big bin.
- About 2 foot long plastic tube.
- A straw that was cut in half.

Procedure-

1. We put water in the bottle.
2. Then we put the tube into the water that is in the bottle.
3. We put the bottle and the tube in the bin. When you put the bottle and the tube into the bin, you should try not to spill any of the water out of the bottle. Make sure that the tube is in the cut out of the lip.
4. We also filled the bin with water; about one half of the bin should be filled.
5. Take the cut straw and insert it into the straw that is sticking out of the bin. Make sure that there is no gap between the straw and the tube. If there is, then tape the straw and tube together.
6. Then blow into the straw and then when you can't blow anymore pinch the straw so no air comes into the bottle. If you blow more than the bottle, get a bigger bottle.
7. See how far the water went down and that is your lung capacity.
8. You might want to do it a few more times and then find the average of that.
9. You are done!!!!!!

Room 61 Room 62
 3.1 2.8
 2.8 2.5
 2.9 2.5
 1.3 2.8
 2.5 2.3
 2.8 2.5
 2.3 2.0
 2.7 2.5
 2.8 2.5
 2.5 1.9
 1.8 3.3
 2.8 2.2
 2.5 2.7
 1.9 1.6
 1.5 2.8
 2.2 2.5
 3.0 1.7
 2.8 1.7
 2.1 4.0
 2.0
 2.2

