

Data Table:

Adding books

Removing books

# of books	Volume (cm ³)	# of books	Volume (cm ³)
0	60	4	40
1	56	3	42
2	50	2	48
3	45	1	52
4	40	0	58

6. Prediction: What will happen to the *volume* as more books are placed on top of the plunger? _____

9. Prediction: What will happen to the *volume* as books are *removed* from the plunger one by one? _____

Analyze and conclude, ctd.:

3. Did the results you obtained support your predictions in step 6?

4. Did the results you obtained support your predictions in step 9?

5. Compare Graph 2 with Graph 1. How can you explain any differences in the two graphs?

6. What does *Graph 1* tell you about how the volume of a gas changes with increasing pressure? _____
