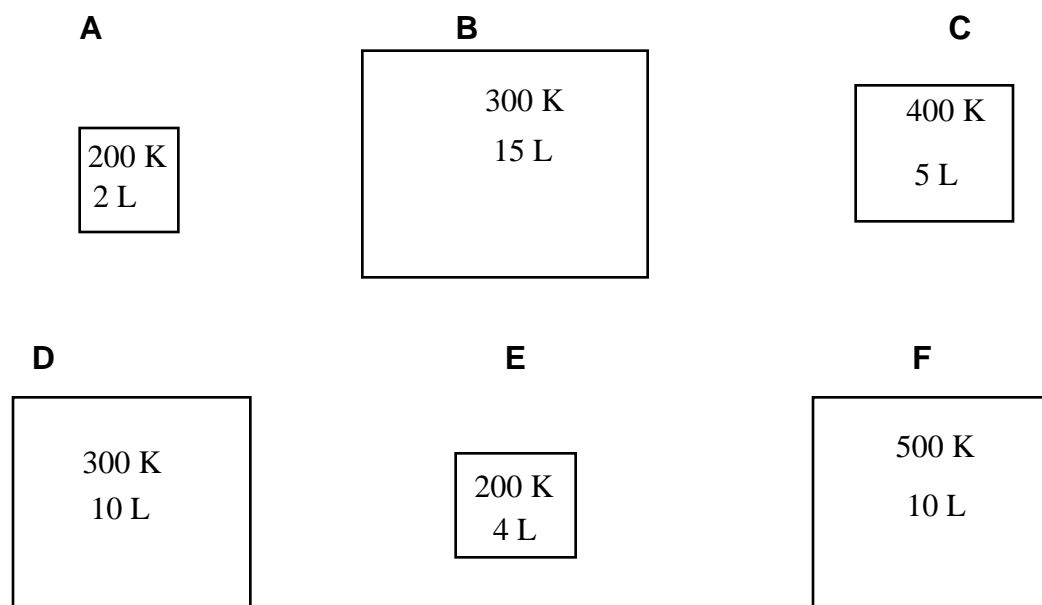


Gas Cylinders—Pressure ¹¹¹

Gas cylinders with the same mass (or number of molecules) of He gas have various volumes and temperatures, which are given in the diagram below. All of the containers are made of the same material.

Rank these containers from the highest to lowest on the basis of their gauge pressures.



Highest 1____ 2____ 3____ 4____ 5____ 6____ Lowest

Or, all of the containers have the same guage pressure. _____

Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)

Basically Guessed

Sure

Very Sure

1 2 3 4 5 6 7 8 9 10

¹¹¹ U. Pandey, J. Splett, C. Hieggelke, T. O’Kuma, D. Maloney