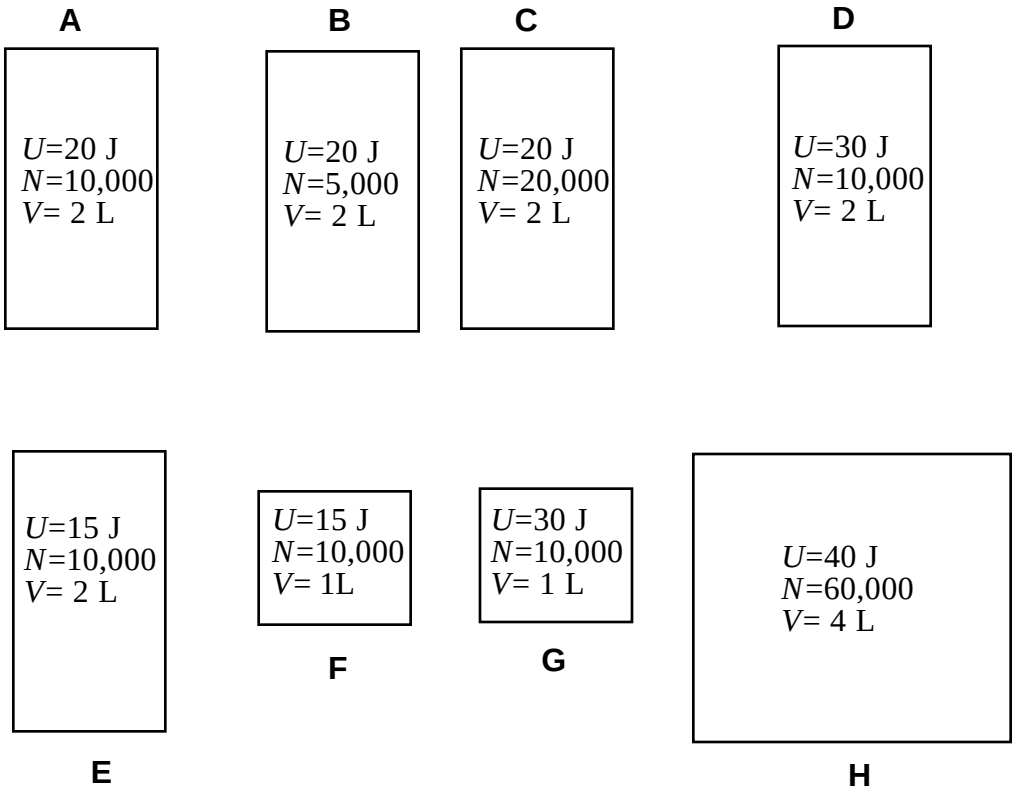
Internal Energy, Volume, and Molecules—Pressure [117]

Rank the pressures of the ideal gases below that contain various amounts of internal energy (*U*) and various numbers of molecules (*N*) in various volumes (*V*).



Greatest 1____ 2____ 3____ 4____ 5____ 6____ 7____ 8____ Least

Or, all these gases have the same pressure. _____

Or, it is not possible to rank the pressures for these gases. _____

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

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