## Pressure, Volume, and Molecules-Temperature ${ }^{115}$

Rank the temperatures of the ideal gases below that contain a different number of molecules $(N)$ at various pressures $(P)$ and volumes $(V)$.


Greatest $\qquad$ 2 $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Leas
t

Or, all these gases have the same temperature. $\qquad$
Or, it is not possible to rank the temperatures for these gases.
Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)
Basically guessed
1

| 1 | 2 | 3 |
| :--- | :--- | :--- |

[^0]
[^0]:    ${ }^{115}$ C. Hieggelke
    Ranking Task Exercises in Physics

