

Physics 1114 - General Physics I

Quiz #36 - 2012.11.26

Name: _____

1. We are used to seeing the equation corresponding to the behavior of an ideal gas, as given by $pV = nRT$, where p is pressure, V is volume, n is the number of moles of the gas, and T is the temperature. What is R and what are its labels?

2. In a similar fashion, we can express the ideal-gas equation as $pV = NkT$. How does this equation differ from $pV = nRT$?