

EXERCISES

Q1/ Show that for an ideal gas $C_p - C_v = nR$

Q2/ If heat capacity of water is ($C_p = 4186 \text{ J/K/mole}$) and heat capacity of air is ($C_p = 29.07 \text{ J/K/mole}$), which one will heat up before the other? Air or water and why? Explain?