**Module 2 – Thermo: Quiz 2b**

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1. Find the total energy in a tank that has 18.9 mol of bromine gas at 25.0 °C.
2. A ***rigid*** container holds 5000 m3 of hydrogen gas. On a warm 20.0 oC day, the hydrogen is at atmospheric pressure. What is the pressure of the hydrogen if the temperature drops to 0.0 0C?

Answers:



1. T = 298.15 K 





1. PV = NkbT therefore… Rigid means constant volume! So… based on constants….







P = 9.41x104 Pa