

**Question 3**

**What will be the molar volume of nitrogen and argon at 273.15K and 1 atm?**

**Solution:**

We know that 1 mole of any gases at STP (273K, 1 atm) occupies a volume of 22.4L. The molar volume (volume of 1 mole of the gas), therefore these gases occupy 22.4L of volume.