

Q2: A (28 mol) gas sample has a mass of 10000 mg. The volume of a container is 22 dm³ at a temperature of 76 °C and a pressure of 641 Torr. What is the density of the gas?

Q3: An Ar gas is placed in a container at 30 °C at a pressure of 730 torr. What is the volume of the container in

ml?

Dr Abduljabbar I. R. Rushdi

(25 points)

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