

9: At high pressure the Z > 1 which means the dominated forces are?

Answer: a) Van der Waal's فالورفان

crepulsions

d) attractions

10: According to Avogadro's law the amount of a gas at STP is?

Answer: (a) 1.00 mol b) 2.00 mol c) 1.00 mmol d) 2.00 mmol

Q2: The air inside a flexible 3.5 L container has a pressure of 115 kPa. What should the volume of the container be increased to in order to decrease the pressure to 625 torr? (25 points)

Q3: A 3 dm³ container holds 0.5 moles of N₂ gas at 42 °C. What is the pressure inside the container? (25 points)

