

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

c) repulsions

Answer: a) Van der Waal's b) equal

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?

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

$$Q_{2}/V_{1}=3.52$$
 $P_{1}=115 \times P_{0}$
 $V_{2}=9$
 $P_{2}=625 \text{ torr}$
 $P_{1}=115 \times P_{0}$
 $P_{1}=86.5 \text{ torr}$
 $V_{1}=86.5 \text{ torr}$
 $V_{2}=V_{2}$
 $V_{2}=V_{1}$
 $V_{2}=V_{2}$
 $V_{3}=V_{1}$
 $V_{4}=V_{2}$
 $V_{5}=V_{1}$

Q225)

V=3×10-3m3 => 3×10-3m3 => 3×10-m Be cause cenit of Rin L