ARJUNA (NEET)

States of Matter

DPP-1

- 1. Which interactions are responsible for the liquefaction of helium gas?
 - (A) London Forces
 - (B) H-Bonding
 - (C) Dipole-Dipole forces
 - (D) None of these
- 2. Which intermolecular forces are present between two HCl molecules?
 - (A) London Forces
 - (B) H-Bonding
 - (C) Dipole-Dipole forces
 - (D) None of these
- 3. What type of bonding is present between water molecules?
 - (A) London Forces
 - (B) H-Bonding
 - (C) Dipole-Dipole forces
 - (D) None of these
- 4. What is the S.I unit of pressure?
 - (A) atm
- (B) bar
- (C) Pascal
- (D) mm of Hg

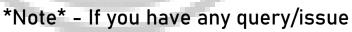
- 5. What is the value of 27°C in kelvin temperature?
 - $(A)^{-}$ 300 K
- (B) 300 K
- (C) 27 K
- (D) 400 K
- 6. Which state of matter has least intermolecular forces of attraction?
 - (A) solid
- (B) Liquid
- (C) Gas
- (D) All of these
- 7. Give the conversion from atm unit to bar units of pressure.
- 8. Calculate the number of moles of 22 g of CO₂ gas enclosed in a cylinder.
 - (A) 1.0
- (B) 2.0
- (C) 0.5
- (D) 4.0
- 9. Convert 2 cubic metres into decimetre scale of volume.
- 10. Which state of matter has maximum thermal energy?
 - (A) solid
- (B) Liquid
- (C) Gas
- (D) None

ANSWERS KEY

- 1. (A) London Forces
- 2. (C)
- 3. **(B)**
- 4. **(C)**
- 5. **(B)**

- 6. **(C)**
- 7. 1 atm = 1.013 bar
- 8. (C)
- 9. $1 \text{ m}^3 = 10^3 \text{dm}^3$
- 10. (C)





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