

ARJUNA (NEET)

States of Matter

DPP-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
- Which intermolecular forces are present between two HCl molecules?
(A) London Forces
(B) H-Bonding
(C) Dipole-Dipole forces
(D) None of these
- What type of bonding is present between water molecules?
(A) London Forces
(B) H-Bonding
(C) Dipole-Dipole forces
(D) None of these
- What is the S.I unit of pressure?
(A) atm
(B) bar
(C) Pascal
(D) mm of Hg
- What is the value of 27°C in kelvin temperature?
(A) - 300 K
(B) 300 K
(C) 27 K
(D) 400 K
- Which state of matter has least intermolecular forces of attraction?
(A) solid
(B) Liquid
(C) Gas
(D) All of these
- Give the conversion from atm unit to bar units of pressure.
- Calculate the number of moles of 22 g of CO_2 gas enclosed in a cylinder.
(A) 1.0
(B) 2.0
(C) 0.5
(D) 4.0
- Convert 2 cubic metres into decimetre scale of volume.
- Which state of matter has maximum thermal energy?
(A) solid
(B) Liquid
(C) Gas
(D) None

ANSWERS KEY

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| 1. (A) London Forces | 6. (C) |
| 2. (C) | 7. $1 \text{ atm} = 1.013 \text{ bar}$ |
| 3. (B) | 8. (C) |
| 4. (C) | 9. $1 \text{ m}^3 = 10^3 \text{ dm}^3$ |
| 5. (B) | 10. (C) |



Note - If you have any query/issue

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