

Topic: MCQ

Q1. Hydrogen Bonding belong to which category of bonding forces

1. Strong covalent forces
2. **Weak attraction forces
3. Long distance forces
4. Ionic bonding

Q2. CaF_2 structure is also known as

1. Salt structure
2. **Fluorite structure
3. Rutile structure
4. Corundum structure

Q3. CdCl_2 forms which type of structural arrangement

1. BCC arrangement
2. **Layered structure
3. FCC arrangement
4. Simple cubic arrangement

Q4. Water belongs to which point group

1. C_3V
2. ** C_2V
3. D_2h
4. D_3h

Q5. Ammonia belongs to which point group

1. C_2V
2. ** C_3V
3. D_2d
4. D_3h

Q6. Which symmetry element is not present in water

1. Rotation axis
2. Reflection plane
3. **Inversion centre
4. Identity element

Q7. Energy difference between t_{2g} and e_g level in octahedral complexes is denoted by

1. B
2. C
3. Δ_o
4. A

Q8. TiO_2 structure is known as

1. Rutile structure
2. Fluorite structure
3. Spinel structure
4. Salt structure

Q9. In n-type semiconductor if fermi level is present then it is situated at

1. Near to Valence band
2. Near to Conduction band
3. Exact location of cant be determined
4. Fermi level is absent

Q10. In p-type semiconductor if fermi level is present then it is situated at

1. Near to Conduction band
2. Near to Valence band
3. Exact location cant be determined
4. Fermi level is absent