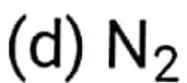
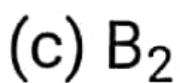
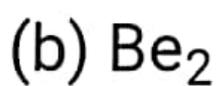
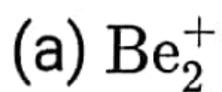


Which one of the following species does not exist?



Which one of the following is not paramagnetic ?

(a) NO

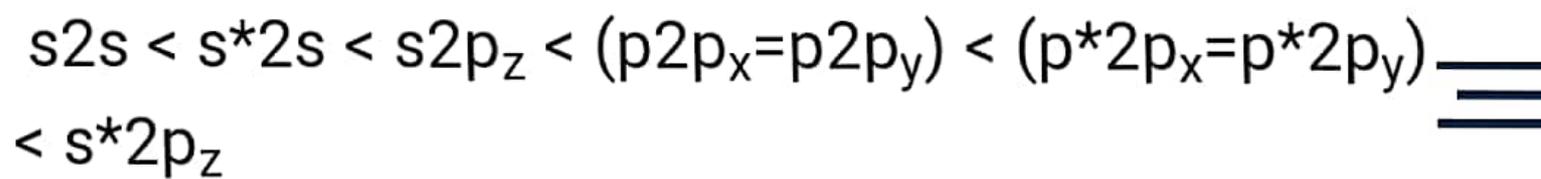
(b) N_2^+

(c) CO

(d) O_2^-



(4) The order of energies of molecular orbitals in N_2 molecule is



In the molecular orbital diagram for O_2^+ ion, the HOMO is :-

(1) σ MO orbital

(2) π MO orbital

(3) π^* MO orbital

(4) σ^* MO orbital

The diamagnetic species among the following is-

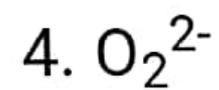
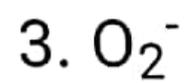
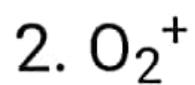
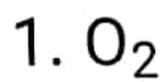
1. NO

2. CO

3. O₂

4. B₂

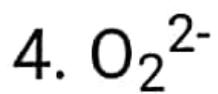
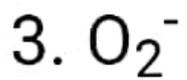
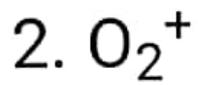
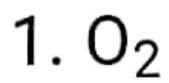
Which of the following has maximum bond strength-



The diamagnetic species among the following is-

1. NO
2. CO
3. O₂
4. B₂

Which of the following has maximum bond strength-



In which of the process, the bond order increases and magnetic behaviour changes?

