

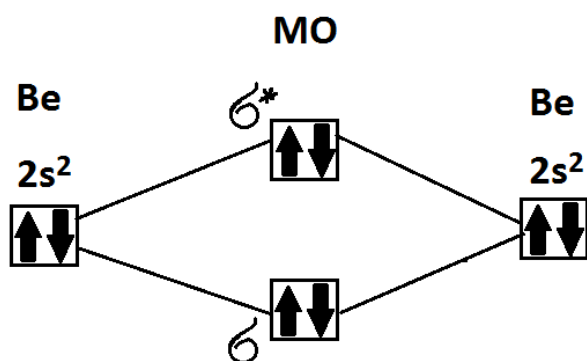
Answer on Question #55180 - Chemistry - General chemistry

Question:

Use an MO diagram to show that Be_2 should not exist.

Answer:

Be $1s^2 2s^2$



bond order (BO)

$$\text{BO} = \frac{\text{number of bonding electrons} - \text{number of antibonding electrons}}{2} = \frac{2 - 2}{2} = 0$$