

Figure 1. The Molecular Orbital Energy-Level Diagram for H_2 .

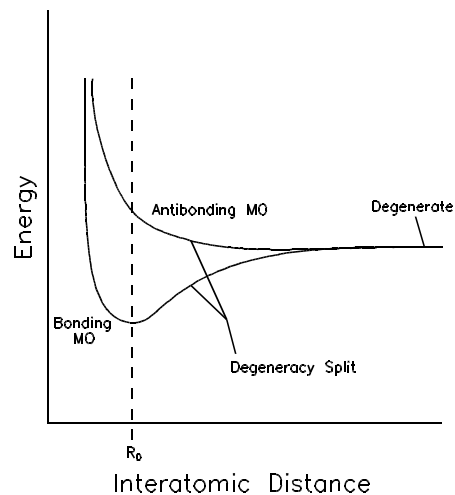


Figure 2. Potential Energy Curve for H_2 . R_0 is the Ground State Bond Distance.

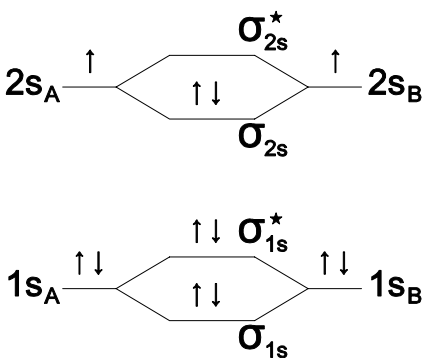


Figure 3. The Molecular Orbital Energy-Level Diagram for Li_2 .

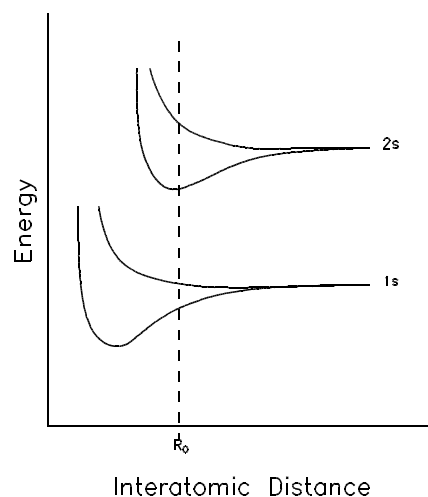


Figure 4. Potential Energy Curve for Li_2 . R_0 is the Ground State Bond Distance.

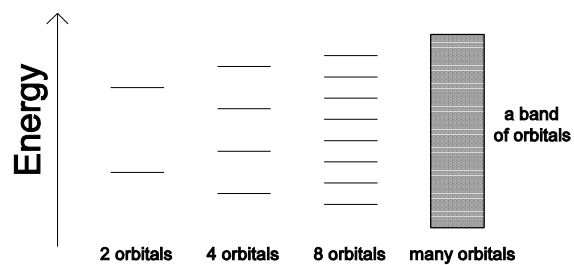


Figure 5. The Molecular Orbital Energy-Level Diagram for Polyatomic Aggregates.

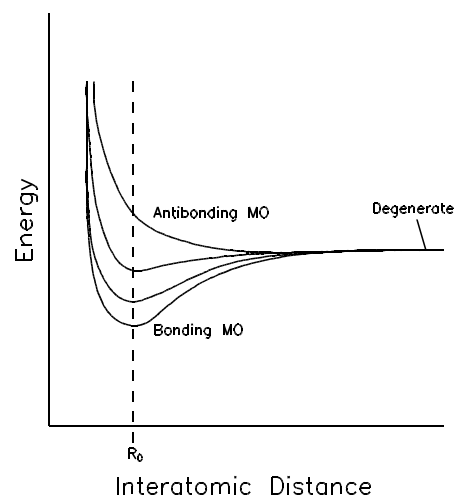


Figure 6. Potential Energy Curve for Li_4 . R_0 is the Ground State Bond Distance.

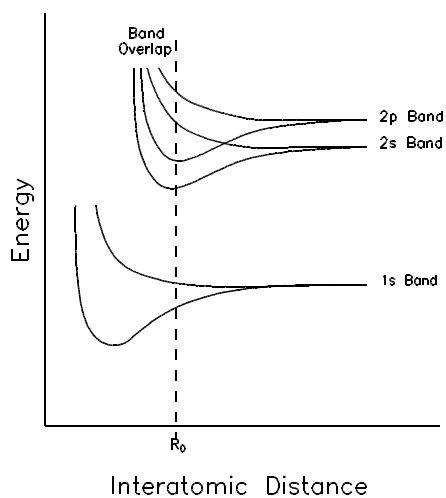


Figure 7. Potential Energy Curve for Li Metal Including Band Overlap.