

FIGURE 16.4 Formation of (a) σ_{2p_z} bonding and (b) $\sigma_{2p_z}^*$ antibonding molecular orbitals from $2p_z$ orbitals on atoms A and B. The signs refer to phases of the wave function.

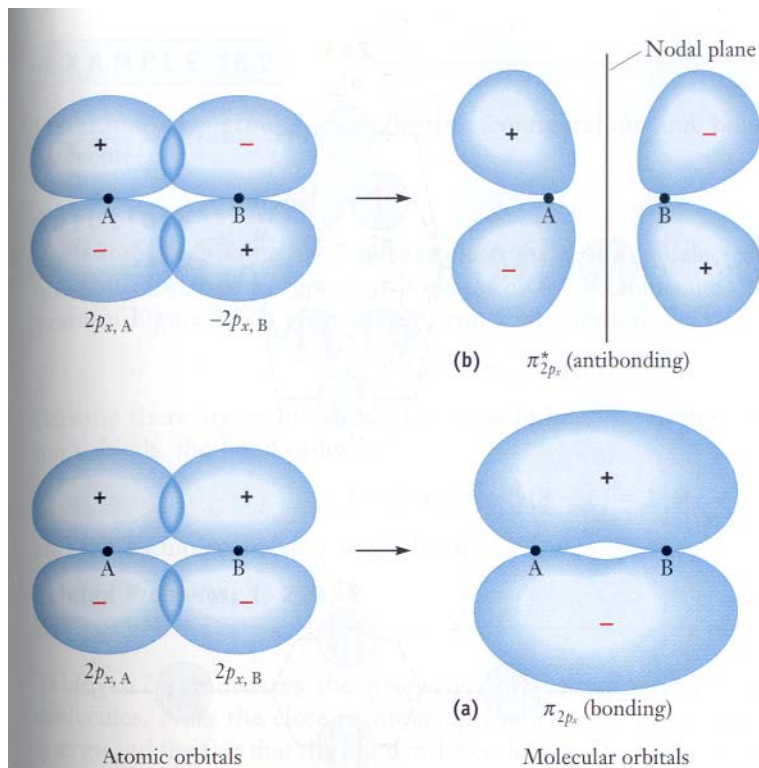
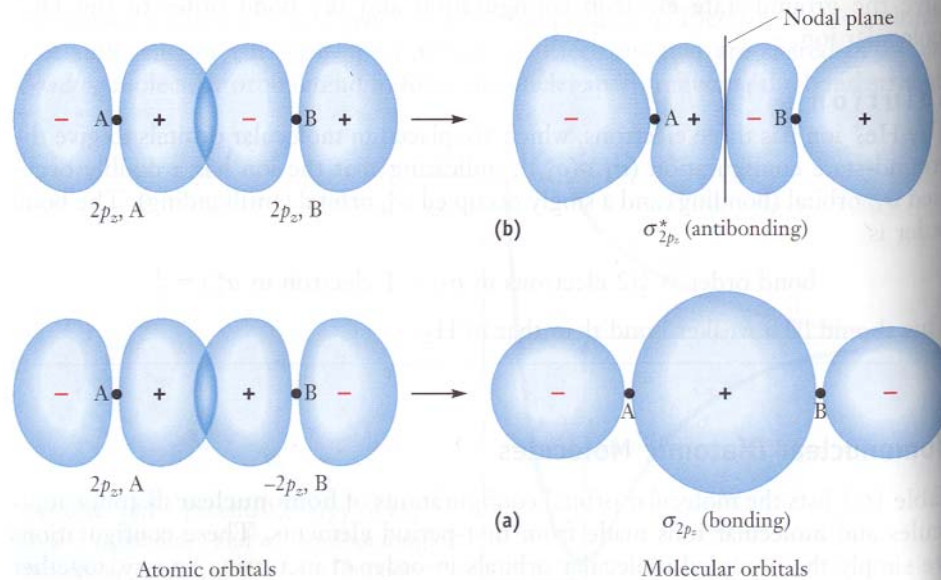


FIGURE 16.5 Formation of (a) σ_{2p_x} bonding and (b) $\sigma_{2p_x}^*$ antibonding molecular orbitals from $2p_x$ orbitals on atoms A and B.