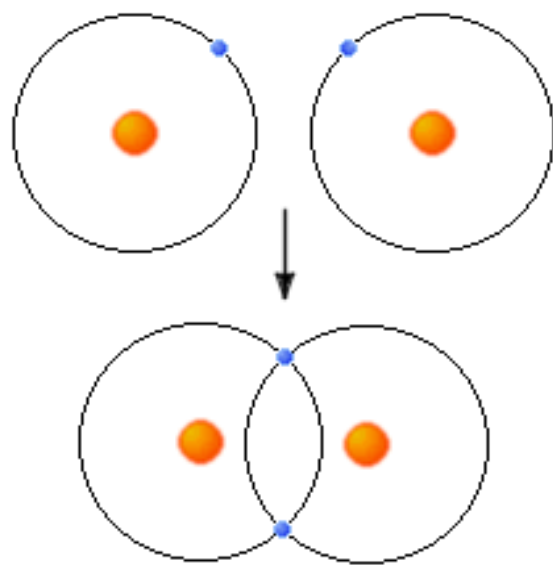
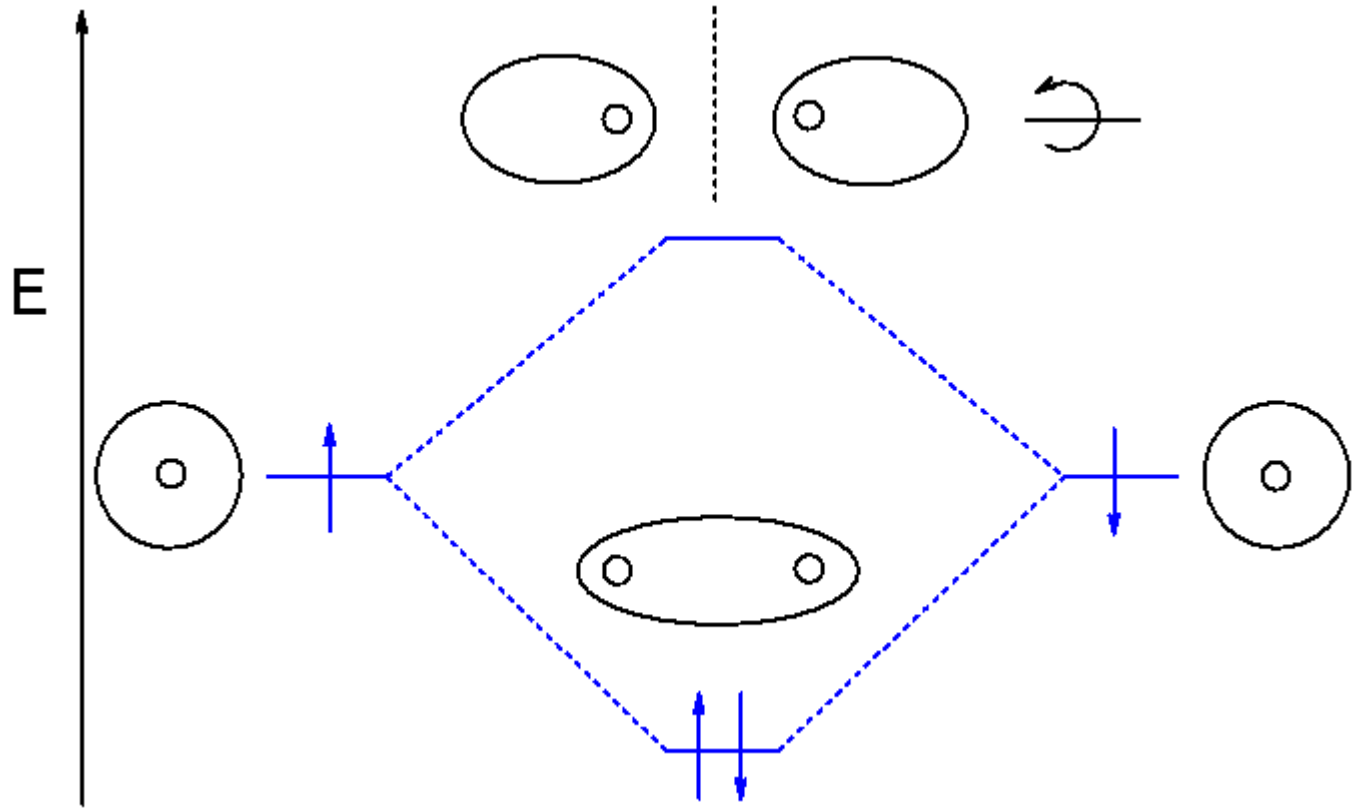
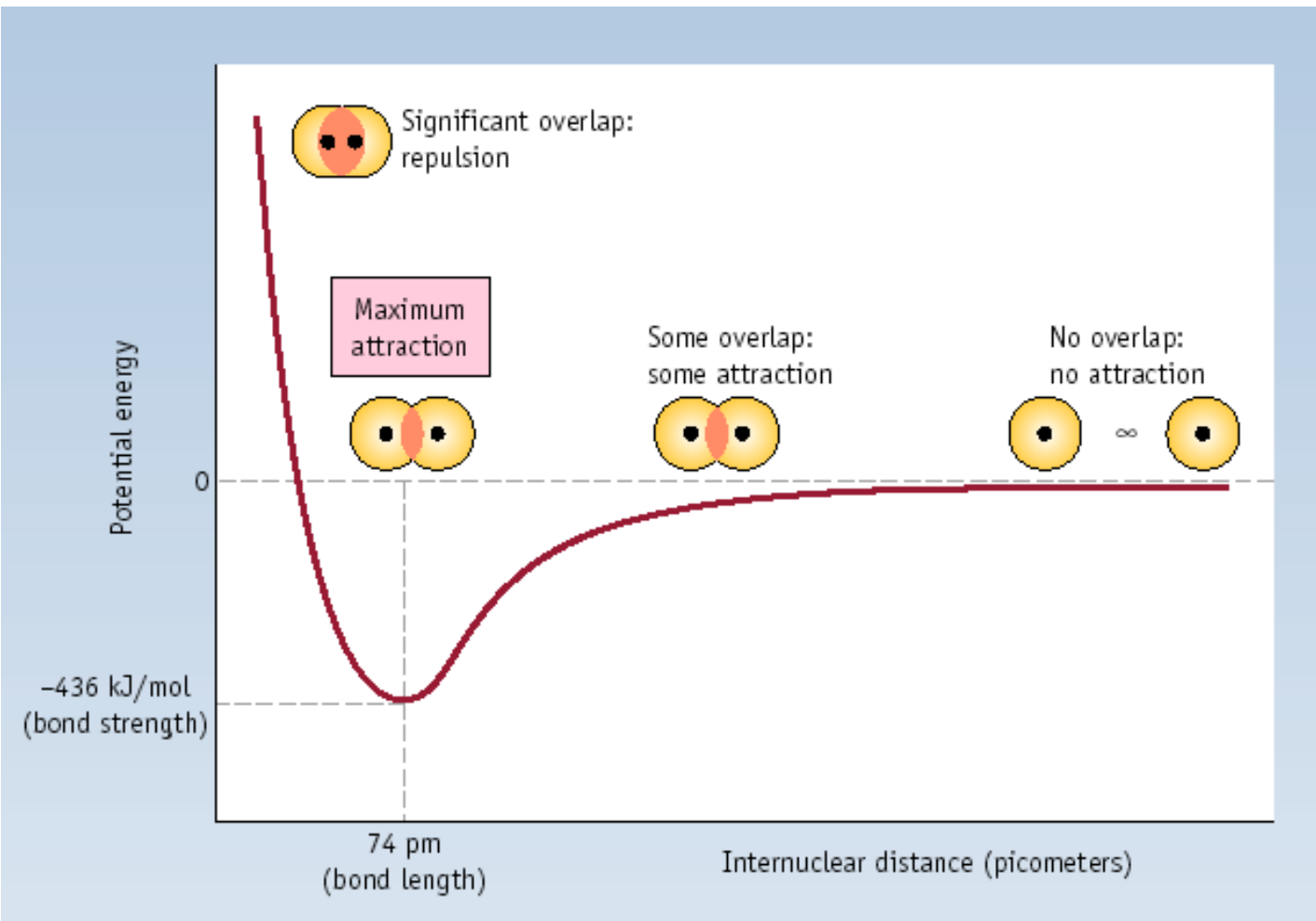


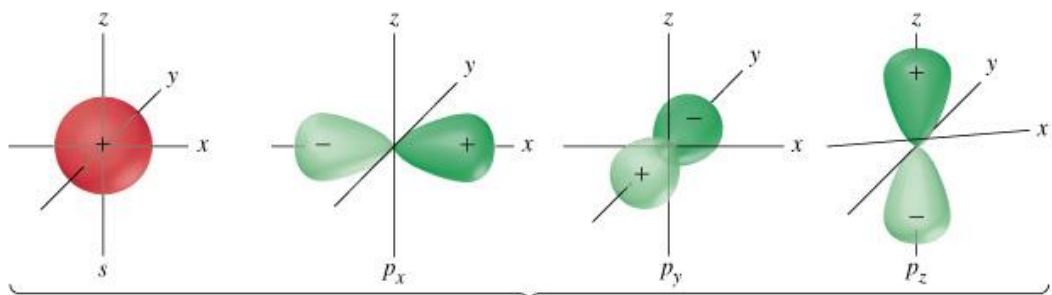
# Väzby v kondenzovaných látkach

Kovalentná väzba

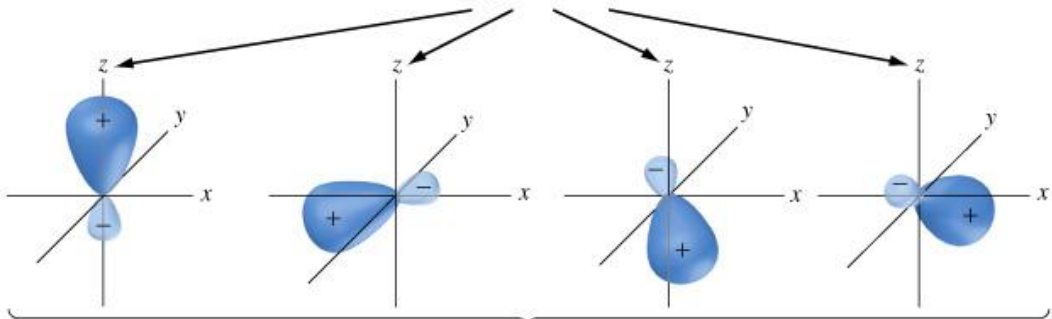




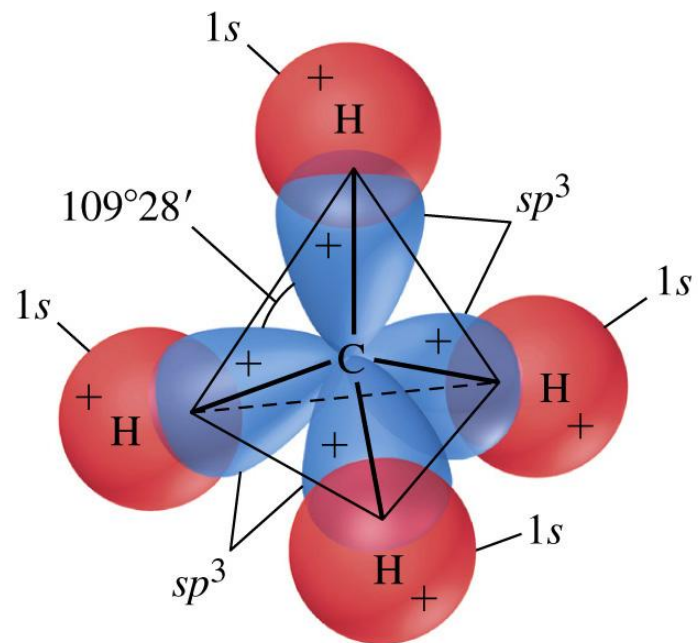


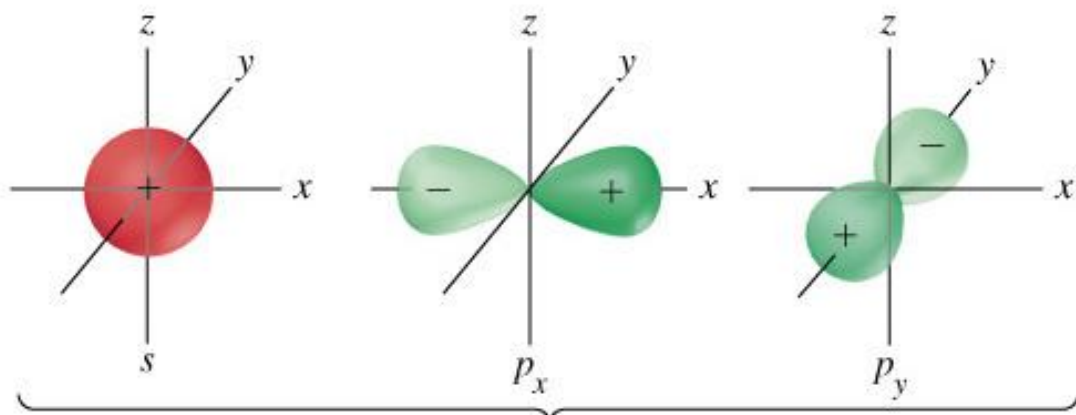


Combine to generate  
four  $sp^3$  orbitals

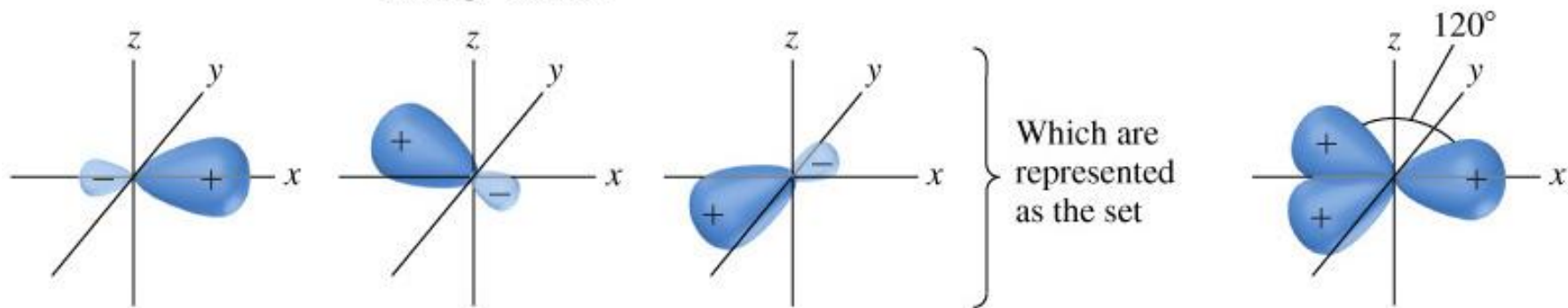


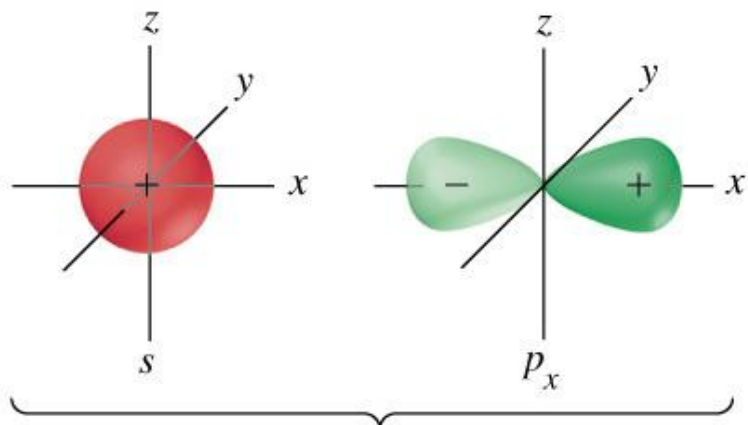
Which are represented  
as the set



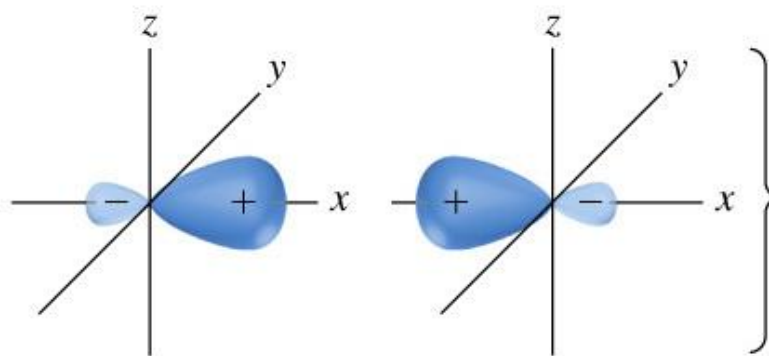


Combine to generate  
three  $sp^2$  orbitals

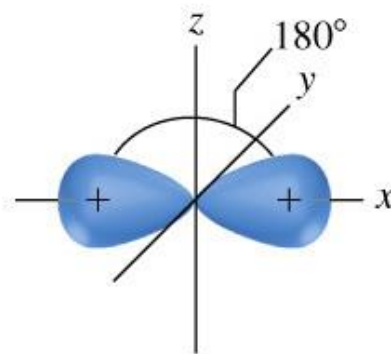


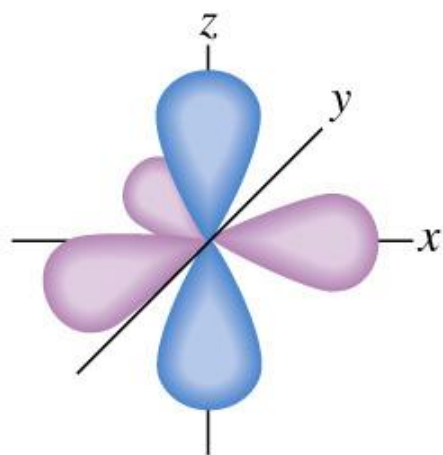


Combine to generate  
two *sp* orbitals

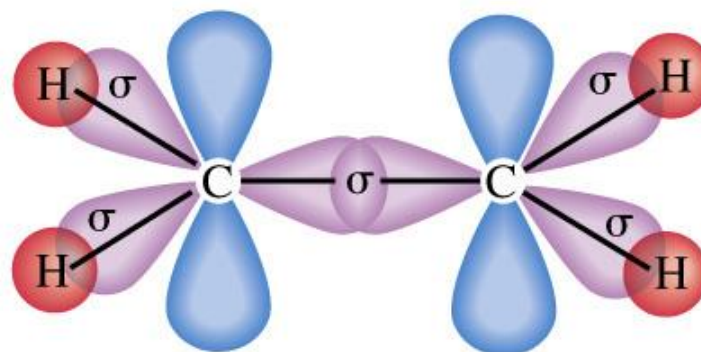


Which are  
represented  
as the set

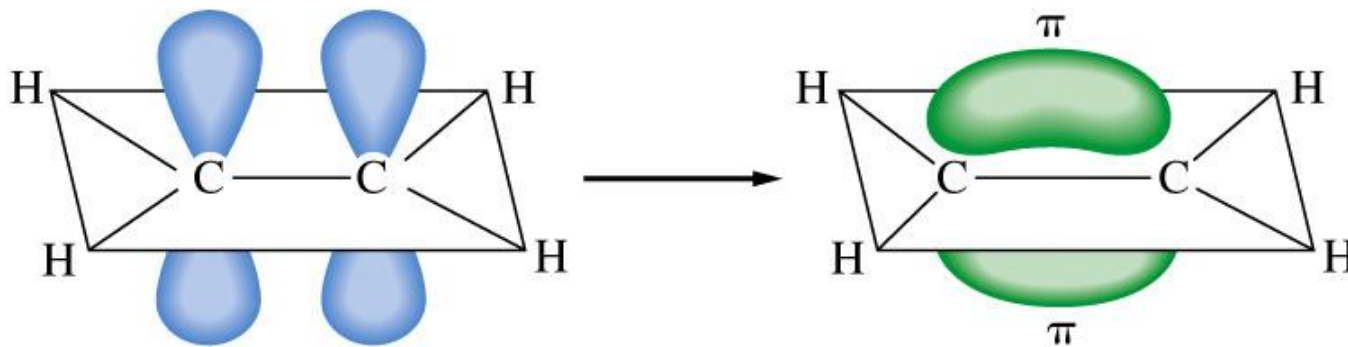




The set of orbitals  $sp^2 + p$



Sigma ( $\sigma$ ) bonds



Overlap of  $p$  orbitals leading to pi ( $\pi$ ) bond



