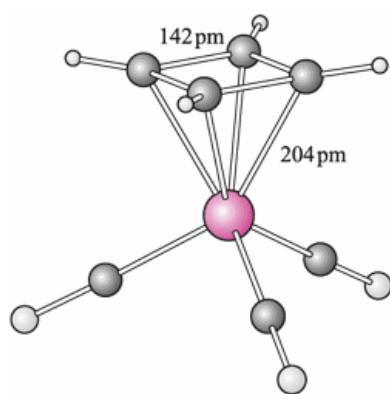
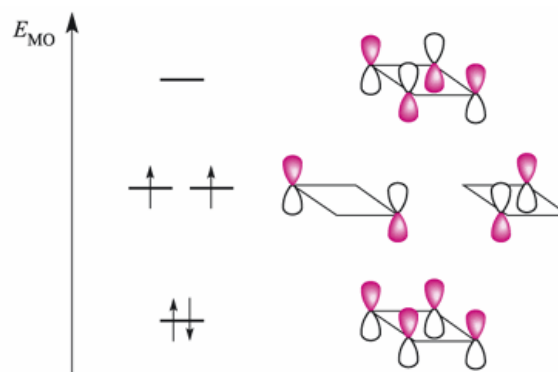


Structure of $\text{Mo}(\eta^3\text{-C}_3\text{H}_5)(\eta^4\text{-CH}_2\text{CHCHCH}_2)(\eta^5\text{-C}_5\text{H}_5)$.

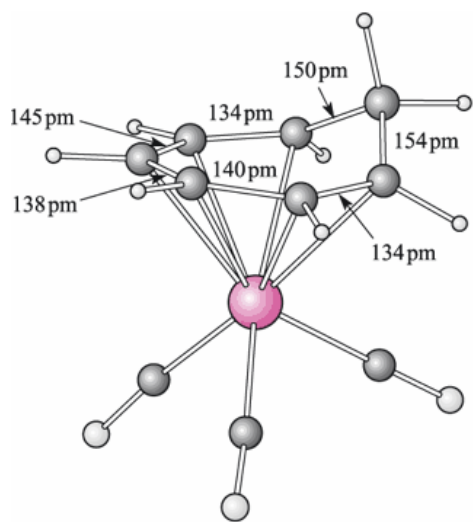


(a)

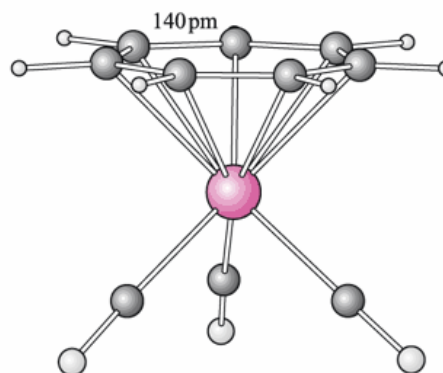


(b)

(a) **Structure** of $\text{Fe}(\text{CO})_3(\eta^4\text{-C}_4\text{H}_4)$ and (b) π -MOs of C_4H_4 in a square framework.



(a)



(b)

Structures of (a) $\text{Mo}(\text{CO})_3(\eta^6\text{-C}_7\text{H}_8)$ and (b) $[\text{Mo}(\text{CO})_3(\eta^7\text{-C}_7\text{H}_7)]^+$.