

Special Topic C: Polyoxometallates

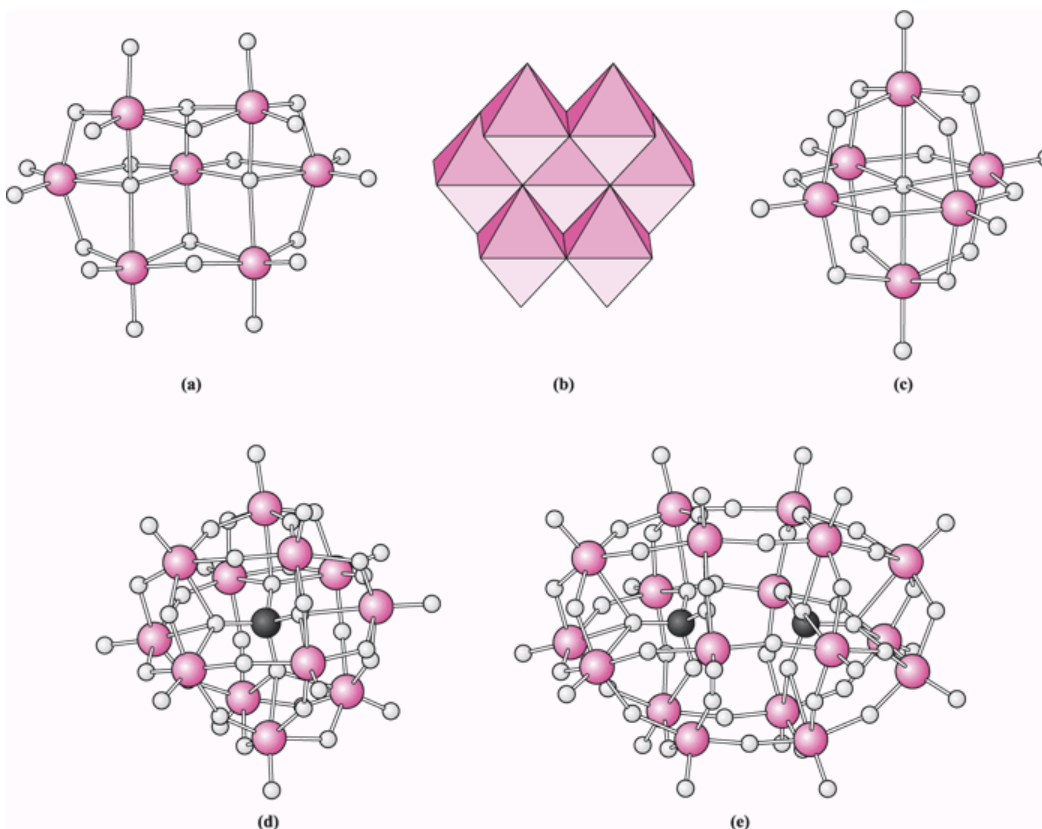
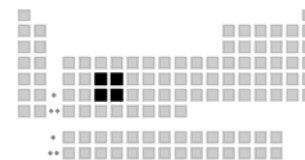


Figure C.1 (a) $[\text{Mo}_7\text{O}_{24}]^{6-}$; (b) the same structure drawn as octahedral building blocks; (c) $[\text{W}_6\text{O}_{19}]^{2-}$; (d) the α -Keggin ion $[\text{SiMo}_{12}\text{O}_{40}]^{4-}$; (e) $[\text{H}_3\text{S}_2\text{Mo}_{18}\text{O}_{62}]^{5-}$.

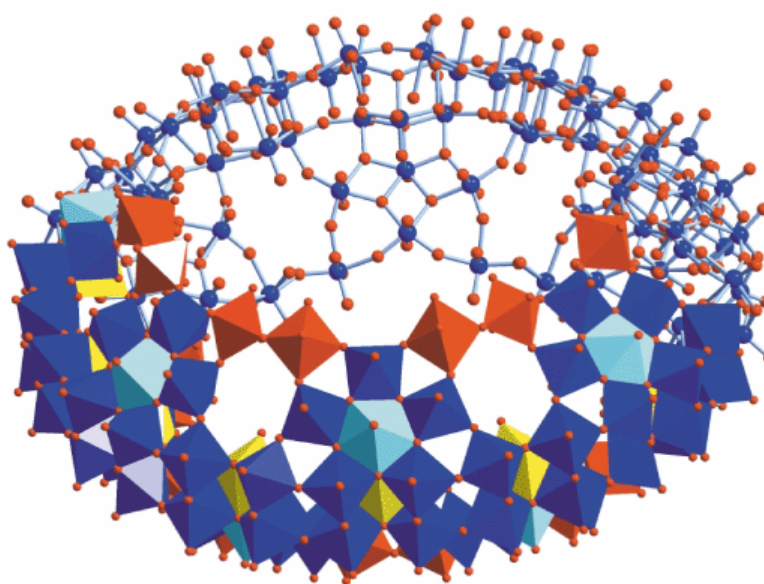


Figure C.2 Mo_{154} "big wheel", shown half in polyhedra, half in ball-and-stick representations.

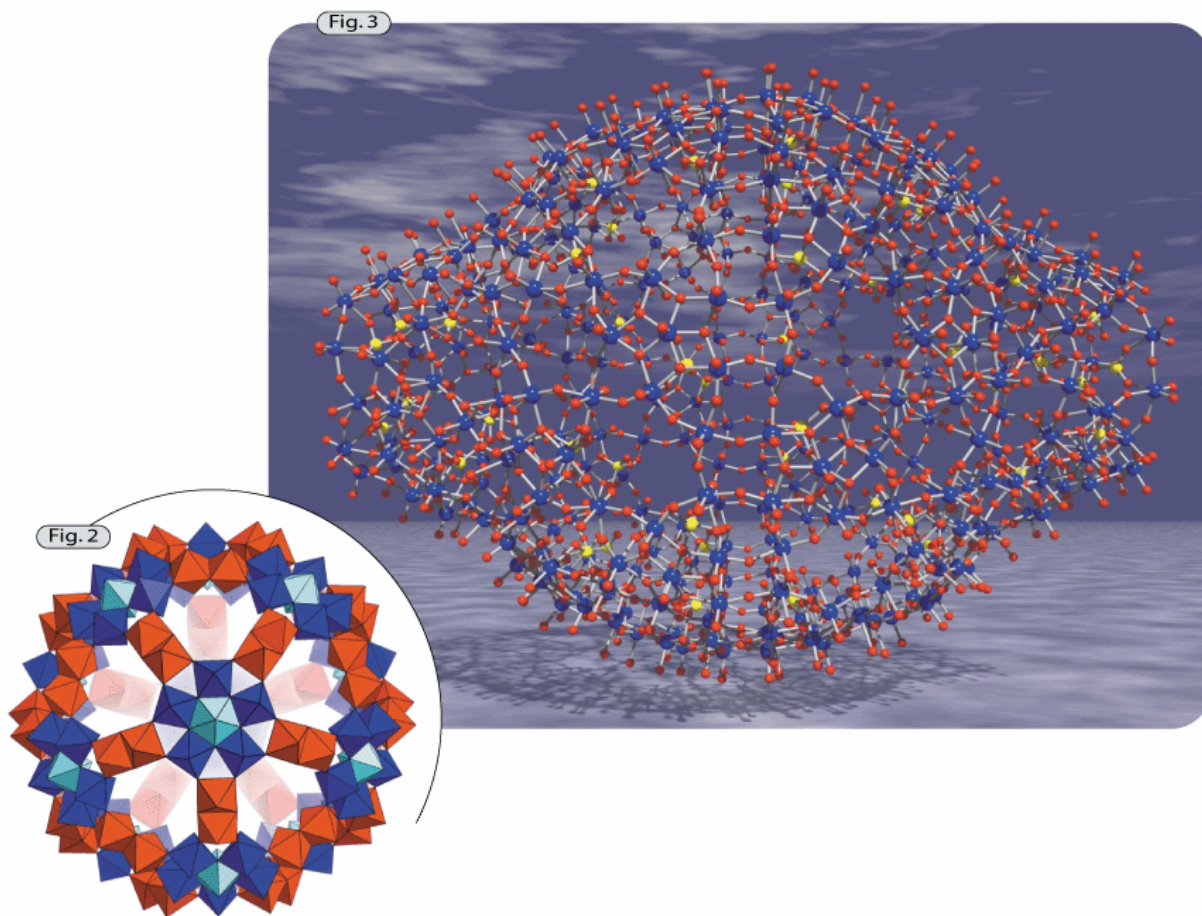


Figure C.3 [Fig. 2] an inorganic superfullerene made up of 12 pentagonal units and 30 linkers; [Fig. 3] Mo_{368} “nanohedgehog”

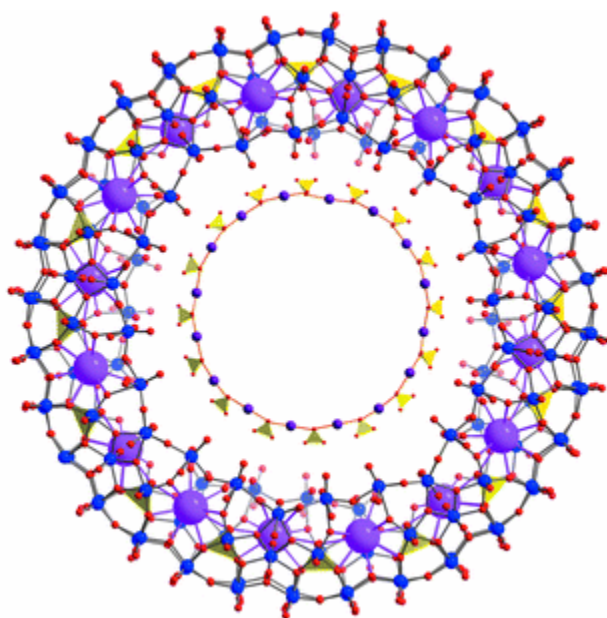


Figure C.4 $\text{K}_{14}\text{Na}_{16}[\text{Mo}^{\text{VI}}_{114}\text{Mo}^{\text{V}}_{32}\text{O}_{429}(\text{H}_2\text{O})_{50}\{\text{KSO}_4\}_{16}] \cdot \text{ca. } 500 \text{ H}_2\text{O}$; an unusual 64-membered $\{\text{K}(\text{SO}_4)\}_{16}$ ring integrated into a wheel-shaped type nanocluster host.