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① radius of polonium riox

② Common crystal structure MSU

③ Crystal structure davidson college

Coordination # = # of atoms in  
close contact (count from figure)

SC - has 1 atom, CN=6  
( $\frac{1}{8} \times 8$ )

FCC - ( $\frac{1}{8} \times 8$ ) + ( $6 \times \frac{1}{2}$ ) = 4 atoms, CN=12  
at corners                      ↑  
  at face

BCC - ( $\frac{1}{8} \times 8$ ) + 1 = 2 atoms, CN=8  
  in center  
  of cell

HCP - CN=12