

Metals and their Compounds

Lecture 2.5

Close packing of spheres

Two common arrangements :

ABABABABA..... *Hexagonal c.p.*

ABCABCABC.... *Cubic c.p.*

In both cases, each atom (sphere) is in direct contact with 12 nearest neighbours.

6 in the same layers (arranged in hexagon)

3 in layer below, 3 in layer above

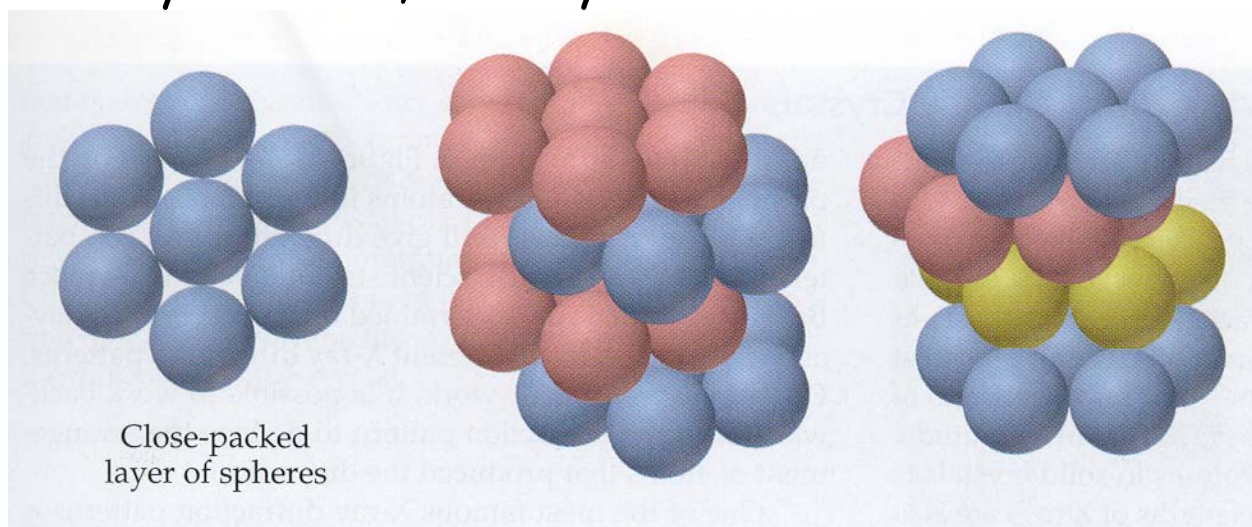


Figure 11.36 (p 419 BLB)