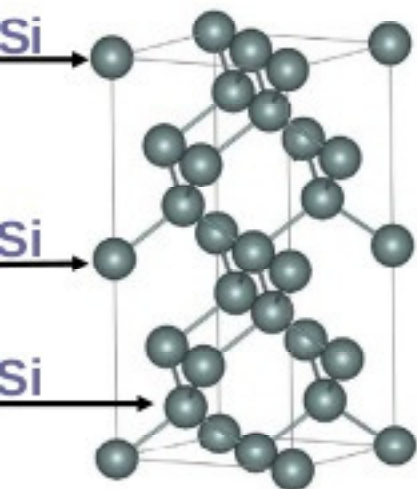


I	Au	Hg	Tl	Pb	Bi	Po	At	Rn	

SiSi SiSi

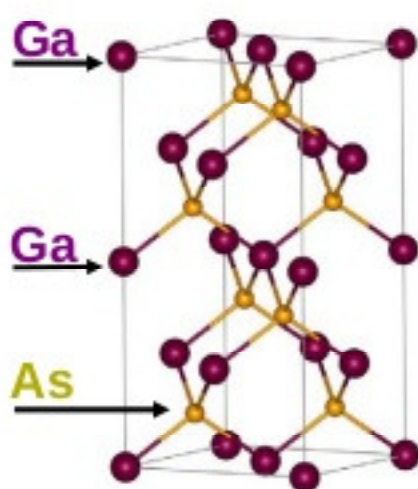
$$4+4+4+4 = 16$$



diamond structure
e.g. group IV
Si, Ge, C

GaAs GaAs

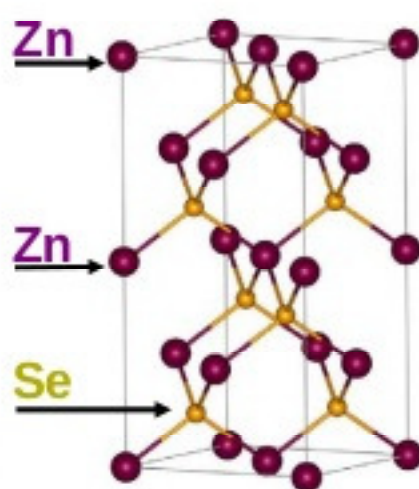
$$3+5 + 3+5 = 16$$



zinc-blende struct.
e.g. III-V and II-VI
GaAs, ZnSe

ZnSe ZnSe

$$2+6 + 2+6 = 16$$



CuSe In

$$1+6 + 3 = 10$$



chalcopyrite
e.g. I-III-V
CuInSe₂,