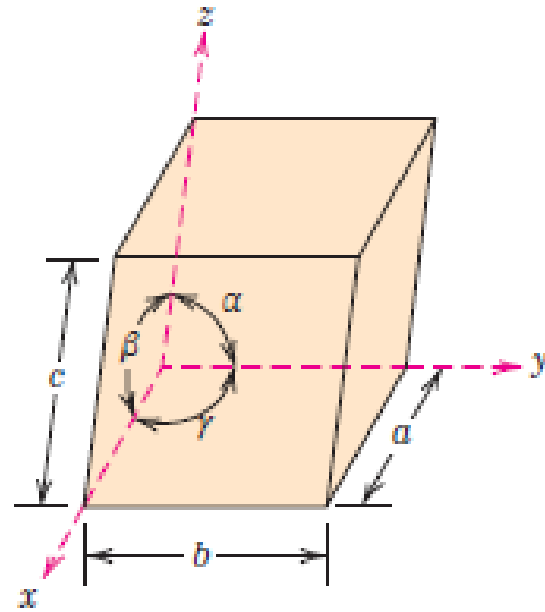
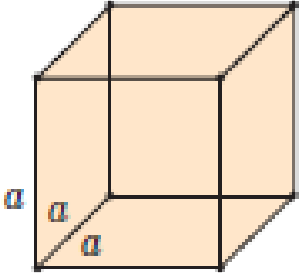


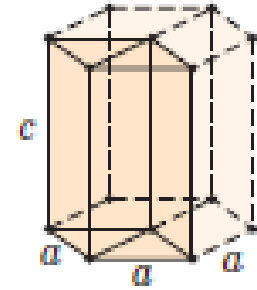


<i>Crystal System</i>	<i>Axial Relationships</i>	<i>Interaxial Angles</i>	<i>Unit Cell Geometry</i>
Cubic	$a = b = c$	$\alpha = \beta = \gamma = 90^\circ$	

Hexagonal

$$a = b \neq c$$

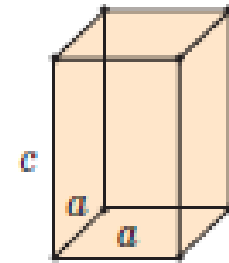
$$\alpha = \beta = 90^\circ, \gamma = 120^\circ$$



Tetragonal

$$a = b \neq c$$

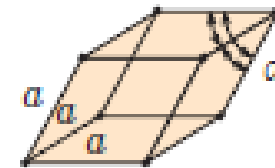
$$\alpha = \beta = \gamma = 90^\circ$$



Rhombohedral
(Trigonal)

$$a = b = c$$

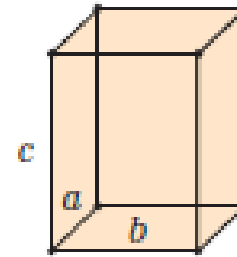
$$\alpha = \beta = \gamma \neq 90^\circ$$



Orthorhombic

$$a \neq b \neq c$$

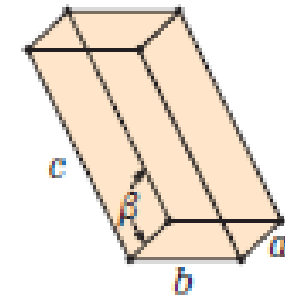
$$\alpha = \beta = \gamma = 90^\circ$$



Monoclinic

$$a \neq b \neq c$$

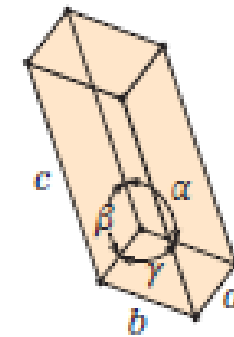
$$\alpha = \gamma = 90^\circ \neq \beta$$

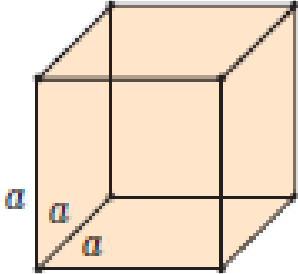
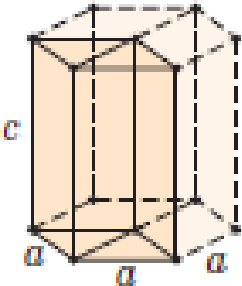


Triclinic

$$a \neq b \neq c$$

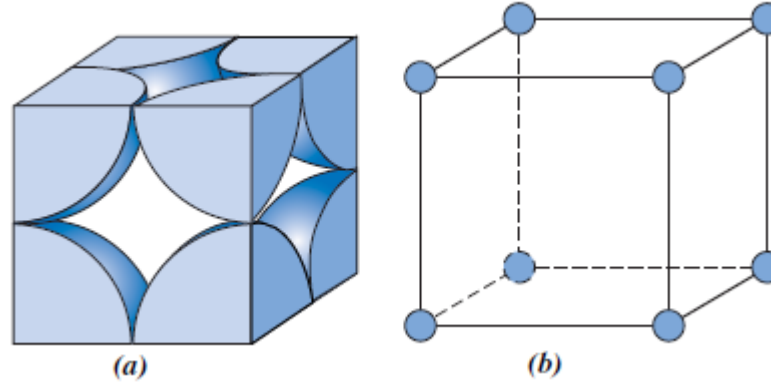
$$\alpha \neq \beta \neq \gamma \neq 90^\circ$$



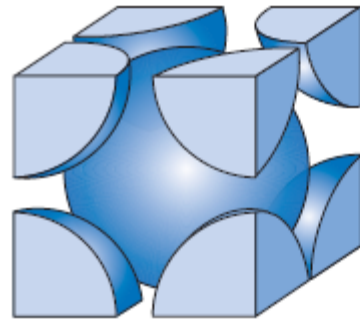
<i>Crystal System</i>	<i>Axial Relationships</i>	<i>Interaxial Angles</i>	<i>Unit Cell Geometry</i>
Cubic	$a = b = c$	$\alpha = \beta = \gamma = 90^\circ$	
Hexagonal	$a = b \neq c$	$\alpha = \beta = 90^\circ, \gamma = 120^\circ$	

important

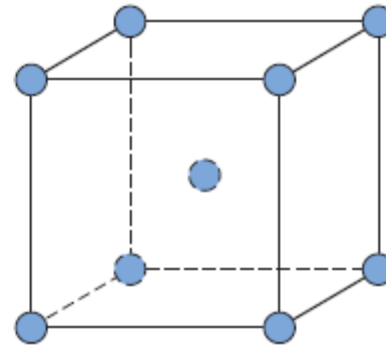
CALLISTER



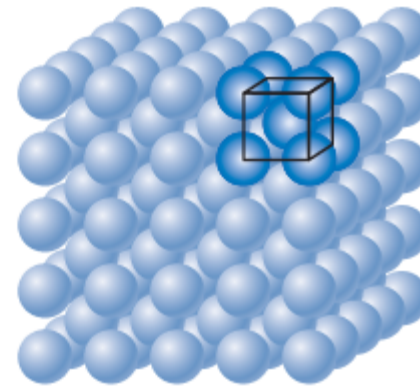
CALLISTER



(a)

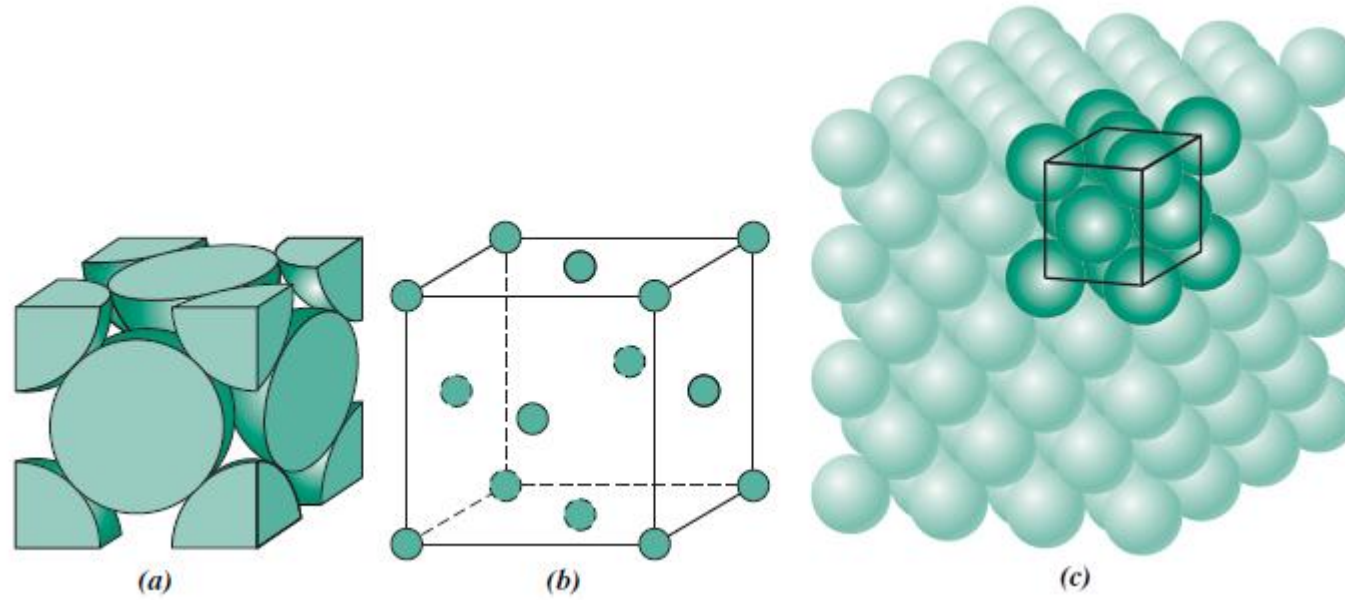


(b)



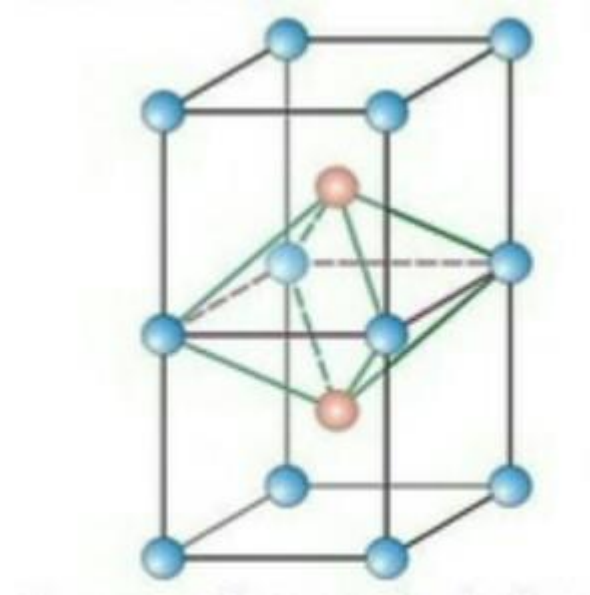
(c)

CALLISTER

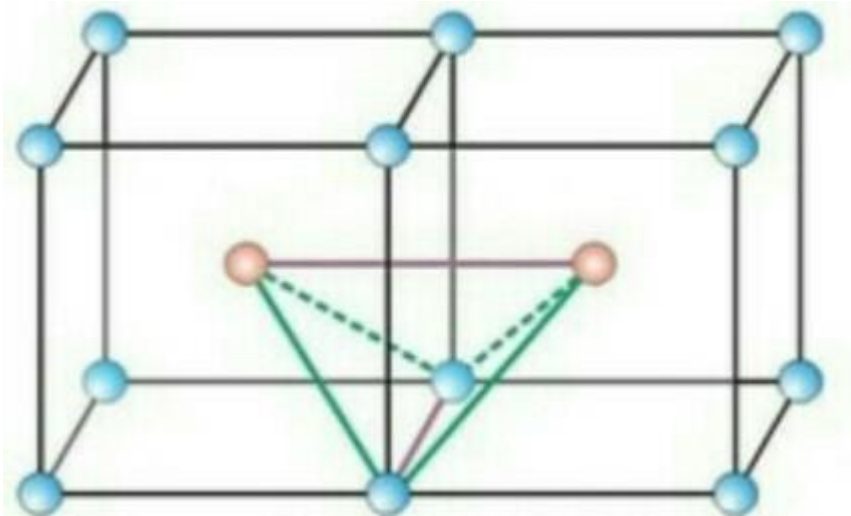


مکان های بین نشین در شبکه کریستالی BCC

اکتاهدرال

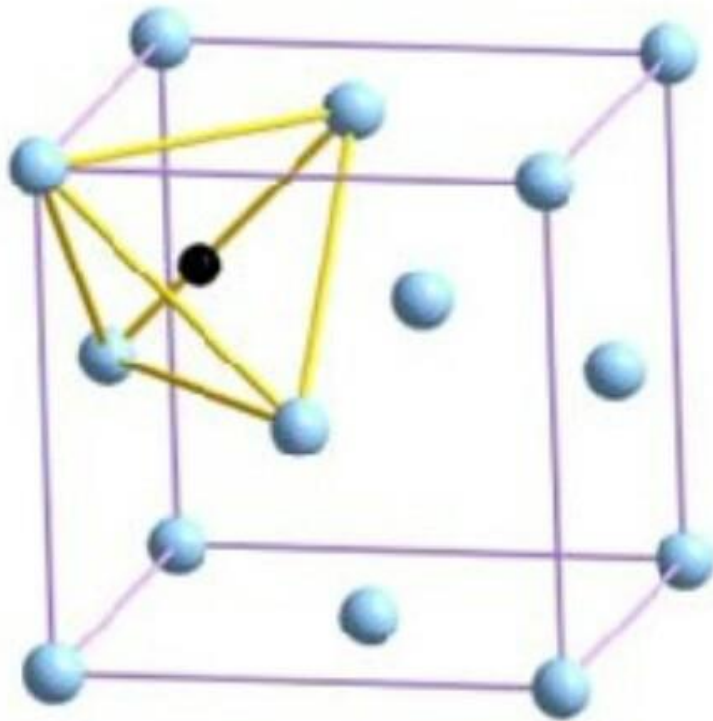


تتراهدرال

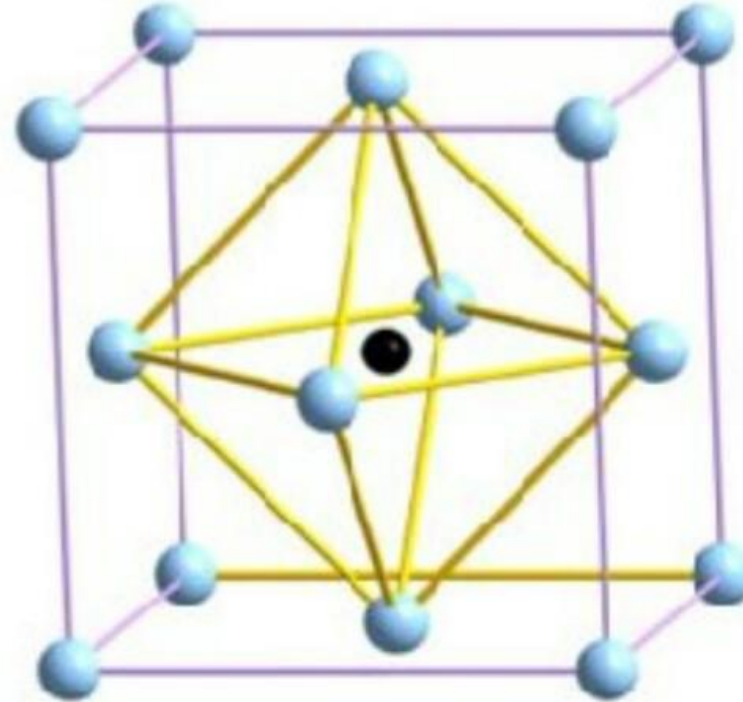


مکان های بین نشین در شبکه کریستالی FCC

تتراهدرال



اکتاهدرال



مکان های بین نشین اکتاهدرال در سلول واحد شبکه FCC

