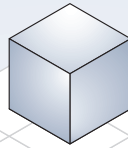


Amorphism and the 7 Crystal Systems

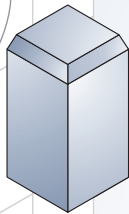
cubic

$a = b = c$
 $\alpha, \beta, \gamma = 90^\circ$



tetra-gonal

$a = b < c$
 $\alpha, \beta, \gamma = 90^\circ$

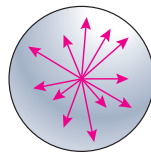


ortho-rhombic

$a < b < c$
 $\alpha, \beta, \gamma = 90^\circ$

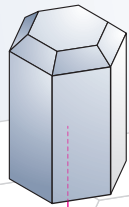


a-morphous



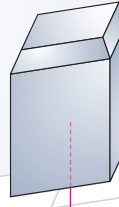
hexa-gonal

$a = b < c < d$
 $\alpha = 60^\circ / \beta, \gamma, \delta = 90^\circ$



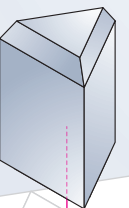
mono-clinic

$a < b < c$
 $\alpha \neq 90^\circ / \beta, \gamma = 90^\circ$



tri-gonal

$\frac{1}{2}a = \frac{1}{2}b = \frac{1}{2}c < d$
 $\alpha = 120^\circ / \beta, \gamma, \delta = 90^\circ$



tri-clinic

$a < b < c$
 $\alpha, \beta, \gamma \neq 90^\circ$

