

12th CHEMISTRY

LN-6 SOLID STATE

BRAVIS LATTICE CRYSTAL SYSTEMS

STUDENT NAME:

CRYSTAL SYSTEM	AXIAL LENGTH	AXIAL ANGLE
Cubic		
Tetragonal		
Orthorhombic		
Monoclinic		
Triclinic		
Hexagonal		
Rhombohedral		

$$a = b = c$$

$$a = b \neq c$$

$$a \neq b \neq c$$

$$a = b = c$$

$$a = b \neq c$$

$$a \neq b \neq c$$

$$a \neq b \neq c$$

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

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

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

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

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

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