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# Types of crystal lattice structures

Solids exist in one of these 7 unit cells with a variation of a simple, body centered, or face-centered outline to give different crystal systems.

Name	Axes	Angles
Cubic	All equal	All 90°
Tetragonal	2 =, 1 unequal	All 90°
Orthorhombic	All unequal	All 90°
Monoclinic	All unequal	All non 90°
Triclinic	All unequal	All non 90°
Rhombohedral	All equal	All non 90°
Hexagonal	3 equal, 1 unequal	3 = 60°, 1 = 90°