

32 Point Groups

Tetragonal	4	4	C_4	Pyramidal
	$\bar{4}$	$\bar{4}$	S_4	Disphenoidal
	$4/m$	$\frac{4}{m}$	C_{4h}	Dipyramidal
	422	422	D_4	Trapezohedral
	$4mm$	$4mm$	C_{4v}	Ditetragonal-pyramidal
	$\bar{4}2m$	$\bar{4}2m$	$D_{2d}(V_d)$	Scaleno-hedral
	$4/mmm$	$\frac{4\ 2\ 2}{m\ m\ m}$	D_{4h}	Ditetragonal-dipyramidal
Trigonal	3	3	C_3	Pyramidal
	$\bar{3}$	$\bar{3}$	$C_{3i}(S_6)$	Rhombohedral
	32	32	D_3	Trapezohedral
	$3m$	$3m$	C_{3v}	Ditrigonal-pyramidal
	$\bar{3}m$	$\frac{\bar{3}\ 2}{m}$	D_{3d}	Ditrigonal-scalenohedral