Table 10.1.2.4. *Names and symbols of the 32 crystal classes*

System used in this volume	Point group		Schoenflies symbol	Class names		
	International symbol					
	Short	Full		Groth (1921)	Friedel (1926)	
Triclinic	1	1	C_1	Pedial (asymmetric)	Hemihedry	
	$\overline{1}$	$\overline{1}$	$C_i(S_2)$	Pinacoidal	Holohedry	
Monoclinic	2	2	C_2	Sphenoidal	Holoaxial hemihedry	
	m	m	$C_s(C_{1h})$	Domatic	Antihemihedry	
	$2/m$	$\frac{2}{m}$	C_{2h}	Prismatic	Holohedry	
Orthorhombic	222	222	$D_2(V)$	Disphenoidal	Holoaxial hemihedry	
	$mm2$	$mm2$	C_{2v}	Pyramidal	Antihemihedry	
	mmm	$\frac{2}{m}\frac{2}{m}\frac{2}{m}$	$D_{2h}(V_h)$	Dipyramidal	Holohedry	
Tetragonal	4	4	C_4	Pyramidal	Tetartohedry with 4-axis	
	$\overline{4}$	$\overline{4}$	S_4	Disphenoidal	Sphenohedral tetartohedry	
	$4/m$	$\frac{4}{m}$	C_{4h}	Dipyramidal	Parahemihedry	
	422	422	D_4	Trapezohedral	Holoaxial hemihedry	
	$4mm$	$4mm$	C_{4v}	Ditetragonal-pyramidal	Antihemihedry with 4-axis	
	$\overline{4}2m$	$\overline{4}2m$	$D_{2d}(V_d)$	Scalenohedral	Sphenohedral antihemihedry	
	$4/mmm$	$\frac{4}{m}\frac{2}{m}\frac{2}{m}$	D_{4h}	Ditetragonal-dipyramidal	Holohedry	
					Hexagonal	*Rhombohedral*
Trigonal	3	3	C_3	Pyramidal	Ogdohedry	Tetartohedry
	$\overline{3}$	$\overline{3}$	$C_{3i}(S_6)$	Rhombohedral	Paratetartohedry	Parahemihedry
	32	32	D_3	Trapezohedral	Holoaxial tetartohedry with 3-axis	Holoaxial hemihedry
	$3m$	$3m$	C_{3v}	Ditrigonal-pyramidal	Hemimorphic antitetartohedry	Antihemihedry
	$\overline{3}m$	$\overline{3}\frac{2}{m}$	D_{3d}	Ditrigonal-scalenohedral	Parahemihedry with 3-axis	Holohedry
Hexagonal	6	6	C_6	Pyramidal	Tetartohedry with 6-axis	
	$\overline{6}$	$\overline{6}$	C_{3h}	Trigonal-dipyramidal	Trigonohedral antitetartohedry	
	$6/m$	$\frac{6}{m}$	C_{6h}	Dipyramidal	Parahemihedry with 6-axis	
	622	622	D_6	Trapezohedral	Holoaxial hemihedry	
	$6mm$	$6mm$	C_{6v}	Dihexagonal-pyramidal	Antihemihedry with 6-axis	
	$\overline{6}2m$	$\overline{6}2m$	D_{3h}	Ditrigonal-dipyramidal	Trigonohedral antihemihedry	
	$6/mmm$	$\frac{6}{m}\frac{2}{m}\frac{2}{m}$	D_{6h}	Dihexagonal-dipyramidal	Holohedry	
Cubic	23	23	T	Tetrahedral-pentagondodecahedral (= tetartoidal)	Tetartohedry	
	$m\overline{3}$	$\frac{2}{m}\overline{3}$	T_h	Disdodecahedral (= diploidal)	Parahemihedry	
	432	432	O	Pentagon-icositetrahedral (= gyroidal)	Holoaxial hemihedry	
	$\overline{4}3m$	$\overline{4}3m$	T_d	Hexakistetrahedral (= hextetrahedral)	Antihemihedry	
	$m\overline{3}m$	$\frac{4}{m}\overline{3}\frac{2}{m}$	O_h	Hexakisoctahedral (= hexoctahedral)	Holohedry	

references