

Die 32 Kristallklassen (Punktgruppen)

Nr.	Kristallsystem Bezeichnung	Symbol international	SCHOEN- FLIES	Allgemeine Form n	Bild	(Erläuterungen nach dem Inhaltsverzeichnis)			
						Symmetrieelemente	Inversions- zentrum	Enantio- morphie	Pyro- elektri- zität
1	<i>triklin</i> triklin-pedal	$\frac{1}{\bar{1}}$	C_1 C_i	1 2	1.46	\circ	- +	+ -	+ -
2	triklin-pinakoidal								
3	<i>monoklin</i> monoklin-sphenoidisch	2	C_2 C_s C_{2h}	2 2 4	1.42 1.45 1.54	\bullet_p m $\bullet + m$	- +	+ -	+ -
4	monoklin-domatisch	m							
5	monoklin-prismatisch	$2/m$							
6	<i>rhomatisch</i> rhomatisch-disphenoidisch	222	D_2 C_{2v} D_{2h}	4 4 8	1.65 1.67 1.70	$\bullet + \bullet + \bullet$ $\bullet_p + m + m$ $(\bullet + m) + (\bullet + m) + (\bullet + m)$	- +	+ + -	+ + -
7	rhomatisch-pyramidal	$mm2$							
8	rhomatisch-dipyramidal	mmm							
9	<i>tetragonal</i> tetragonal-pyramidal	4	C_4	4	1.43	\blacklozenge_p	- +	+ + +	+ + +
10	tetragonal-disphenoidisch	$\bar{4}$	S_4	4	1.48	\diamond	- -	- -	- -
11	tetragonal-dipyramidal	$4/m$	C_{4h}	8	1.76	$\blacklozenge + m$	- +	+ +	+ +
12	tetragonal-trapezoedrisch	422	D_4	8	1.78	$\blacklozenge + 2\diamond + 2\diamond$	- -	- +	- +
13	ditetragonal-pyramidal	$4mm$	C_{4v}	8	1.80	$\blacklozenge_p + 2m + 2m$	- -	+ +	+ +
14	tetragonal-skalenoedrisch	$\bar{4}2m$	D_{2d}	8	1.82	$\diamond + 2\diamond + 2m$	- -	+ +	+ +
15	ditetragonal-dipyramidal	$4/mmm$	D_{4h}	16	1.84	$(\blacklozenge + m) + 2(\bullet + m) + 2(\bullet + m)$	- +	- -	- -
16	<i>trigonal</i> trigonal-pyramidal	3	C_3	3	1.43	\blacktriangle_p	- +	+ -	+ -
17	rhomboedrisch	$\bar{3}$	C_{3i}	6	1.49	$\blacktriangle (\equiv \blacktriangle + \circ)$	- +	- +	- +
18	trigonal-trapezoedrisch	32	D_3	6	1.89	$\blacktriangle + 3\blacklozenge_p$	- +	+ +	+ +
19	ditrigonal-pyramidal	$3m$	C_{3v}	6	1.91	$\blacktriangle + 3m$	- -	- -	- -
20	ditrigonal-skalenoedrisch	$\bar{3}m$	D_{3d}	12	1.94	$\blacktriangle + 3(\bullet + m)$	- +	- -	- -
21	<i>hexagonal</i> hexagonal-pyramidal	6	C_6	6	1.43	\blacklozenge_p	- -	+ -	+ -
22	trigonal-dipyramidal	$\bar{6}$	C_{3h}	6	1.50	$(\blacktriangle + m)$	- +	- -	- -
23	hexagonal-dipyramidal	$6/m$	C_{6h}	12	1.98	$\blacklozenge + m$	- +	- -	- -
24	hexagonal-trapezoedrisch	622	D_6	12	1.100	$\blacklozenge + 3\diamond + 3\diamond$	- -	+ -	+ -
25	dihexagonal-pyramidal	$6mm$	C_{6v}	12	1.101	$\blacklozenge_p + 3m + 3m$	- -	+ -	+ -
26	ditrigonal-dipyramidal	$\bar{6}m2$	D_{3h}	12	1.103	$\blacklozenge + 3\diamond_p + 3m$	- -	- -	- -
27	dihexagonal-dipyramidal	$6/mmm$	D_{6h}	24	1.105	$(\blacklozenge + m) + 3(\bullet + m) + 3(\bullet + m)$	- +	- -	- -
28	<i>kubisch</i> tetraedisch-pentagondodekaedrisch	23	T	6	1.43				
29	disdodekaedrisch	$m\bar{3}$	T_h	12	1.108a	$3\diamond + 4\blacktriangle_p$	- +	- -	- -
30	pentagon-ikositetraedrisch	432	O	24	1.108c	$3(\bullet + m) + 4\blacktriangle$	- +	- +	- +
31	hexakistetraedrisch	$\bar{4}3m$	T_d	24	1.108e	$3\diamond + 4\blacktriangle + 6\diamond$	- -	- -	- -
32	hexakisoktaedrisch	$m\bar{3}m$	O_h	48	1.108d	$3(\bullet + m) + 4\blacktriangle + 6(\bullet + m)$	- +	- -	- -
					1.108g				
11							11	11	10
12							11	11	15
13							11	11	20