

THE CANADIAN MINERALOGIST LIST OF SYMBOLS FOR ROCK- AND ORE-FORMING MINERALS (July 14, 2017)

Ac	acanthite	Agl	anglesite	At	atokite	Bll	beryllonite
Act	actinolite	Anh	anhydrite	Au	gold	Brz	berzelianite
Ae	aegirine	Ani	anilite	Aul	augelite	Bet	betafite
Aen	aenigmatite	Ank	ankerite	Aug	augite	Bkh	betekhtinite
Aes	aeschynite-(Y)	Ann	annite	Aur	auricupride	Bdt	beudantite
Aik	aikinite	An	anorthite	Aus	aurostibite	Beu	beusite
Akg	akaganeite	Anr	anorthoclase	Aut	autunite	Bch	bicchulite
Ak	åkermanite	Atg	antigorite	Aw	awaruite	Bt	biotite*
Ala	alabandite	Sb	antimony	Axn	axinite-(Mn)	Bsm	bismite
Ab	albite	Ath	anthophyllite	Azu	azurite	Bi	bismuth
Alg	algodonite	Ap	apatite*	Bdl	baddeleyite	Bmt	bismuthinite
All	allactite	Apo	apophyllite	Bns	banalsite	Bod	bodanowiczite
Aln	allanite	Arg	aragonite	Bbs	barbosalite	Bhm	böhmite
Alo	alloclasite	Ara	aramayoite	Brt	baryte	Bor	boralsilite
Ald	alluaudite	Arf	arfvedsonite	Brr	barrerite	Bn	bornite
Alm	almandine	Ard	argentodufrenoyite	Brs	barroisite	Bou	boulangerite
Alr	almarudite	Apn	argentopentlandite	Blt	barylite	Bnn	bournonite
Alt	altaite	Arp	argentopyrite	Bsl	barysilite	Bow	bowieite
Aln	alunite	Agt	argutite	Bcl	barytocalcite	Brg	braggite
Alu	alunogen	Agy	argyrodite	Bss	bassanite	Brn	brannerite
Amb	amblygonite	Arm	armangite	Bsn	bastnäsite	Bra	brannockite
Ams	amesite	As	arsenic	Bau	baumstarkite	Bnt	braunite
Amp	amphibole*	Ass	arsenosiderite	Bel	bellidoite	Brv	bravoite
Anl	analcime	Acr	arsenocrandallite	Bnj	benjaminite	Bhp	breithauptite
Ant	anatase	Asf	arsenoflorencite	Brd	berdesinskiite	Bt	briartite
And	andalusite	Apd	arsenopalladinite	Ber	berryite	Bri	britholite
Ado	andorite	Apy	arsenopyrite	Brh	berthierine	Bro	brochantite
Adr	andradite	Asp	aspidolite	Btr	berthierite	Bdk	brodtkorkite
Ang	angelaite	Ast	astrophyllite	Brl	beryl	Brk	brookite

Brc	brucite	Cvt	chernovite-(Y)	Cpr	cooperite	Dsp	diaspore
Bst	bustamite	Chv	chevkinite	Crd	cordierite	Dcn	dickinsonite
Bu	bukovite	Cap	chlorapatite	Cor	coronadite	Dck	dickite
Cdm	cadmoselite	Chl	chlorite*	Crr	corrensite	Dg	digenite
Clv	calaverite	Cld	chloritoid	Crn	corundum	Di	diopside
Cal	calcite	Chn	chondrodite	Cos	cosalite	Djr	djerfisherite
Cdr	calderite	Csl	chrisstanleyite	Csb	costibite	Dju	djurleite
Ccn	cancrinite	Chr	chromite	Cou	coulsonite	Dol	dolomite
Cf	canfieldite	Cb	chrysoberyl	Cv	covellite	Do	domeykite
Cbc	carbocernaite	Ccl	chrysocolla	Cdl	crandallite	Drv	dravite
Cnt	carnotite	Ctl	chrysotile	Crs	crystalite	Dfr	dufrénite
Car	carrollite	Chk	chukhrovite	Crk	crookesite	Duf	dufrénoysite
Cpl	caryopilite	Cin	cinnabar	Cry	cryolite	Dum	dumortierite
Cst	cassiterite	Clt	clausthalite	Cpt	cryptomelane	Du	duranusite
Ctm	catamarcaite	Cch	clinochlore	Cbn	cubanite	Dus	dusmatovite
Cat	cattierite	Chu	clinohumite	Cum	cummingtonite	Eas	eastonite
Cel	celadonite	Cmm	clinomimetite	Cup	cuprite	Ecn	ecandrewsite
Cls	celestine	Cpt	clinoptilolite	Cbs	cuprobismutite	Eck	eckermannite
Cln	celsian	Cpx	clinopyroxene*	Cui	cuproiridsite	Ecl	eclarite
Crt	cerite-(Ce)	Czo	clinozoisite	Cus	cuspidine	Ed	edenite
Css	cerussite	Ctn	clintonite	Cy	cylindrite	Elb	elbaite
Cer	cervantite	Cbt	cobaltite	Dal	daliranite	Eld	eldragónite
Cvl	cervelleite	Cpn	cobaltpentlandite	Dan	danalite	Ell	ellenbergerite
Cbz	chabazite	Coe	coesite	Dbr	danburite	Emp	emplectite
Ccm	chalcoalumite	Cof	coffinite	Dnt	dantopaite	Eng	enargite
Cc	chalcocite	Clr	coloradoite	Daq	daqingshanite-(Ce)	En	enstatite
Chp	chalcophyllite	Clf	columbite-(Fe)	Dar	darapiosite	Eos	eosphorite
Cp	chalcopyrite	Clm	columbite-(Mn)	Dbl	daubréelite	Ep	epidote
Cm	chaméanite	Cls	colusite	Def	defernite	Erl	erlichmanite
Chm	chamosite	Cnl	connellite	Del	delafossite	Es	eskebornite
Cha	chatkalite	Cu	copper	Dll	dellaite	Ess	esseneite
Crl	cheralite	Ckt	cookeite	Dmd	diamond	Euc	eucairite

Ecl	euclase	Fr	franckeite	Glm	goldmanite	Hil	hillebrandite
Ecr	eucryptite	Fnk	franklinite	Gm	gormanite	Hoc	hocartite
Eud	eudialyte	Fbg	freibergite	Goy	goyazite	Hod	hodrushite
Fab	fabrièsite	Fri	friedrichbeckeite	Gft	graftonite	Hög	högbomite
Ffd	fairfieldite	Frd	friedrichite	Gdd	grandidierite	Hol	hollandite
Fam	famatinite	Frb	frohbergite	Gr	graphite	Hlw	hollingworthite
Fa	fayalite	Fnd	frondelite	Gre	greenalite	Hmq	holmquistite
Fbr	ferberite	Fro	froodite	Gck	greenockite	Hol	holtite
Fgs	fergusonite	Fub	furutobeite	Grg	greigite	Hns	hörnseite
Fsk	ferrisicklerite	Gad	gadolinite	Grs	grossular	Hbl	hornblende*
Fac	ferro-actinolite	Ghn	gahnite	Gru	grunerite	Hbn	hübnerite
Fal	ferroalluaudite	Glx	galaxite	Gu	gudmundite	Hu	humite
Fed	ferro-edenite	Gn	galena	Gp	gypsum	Hur	hureaulite
Fhb	ferrohornblende	Gab	galenobismutite	Hag	hagendorffite	Hrb	hurlbutite
Fks	ferrokästerite	Gal	gallite	Hak	hakite	Hut	hutchinsonite
Fsl	ferroselite	Grt	garnet*	Hl	halite	Hgr	hydrogrossular
Fs	ferrosilite	Ged	gedrite	Ham	hambergite	Hap	hydroxylapatite
Frt	ferrorichterite	Gh	gehlenite	Hmr	hammarite	Hel	hydroxyllestadite
Ftw	ferrotitanowodginite	Gkl	geikielite	Hs	hastingsite	Hhd	hydroxylherderite
Fts	ferrotschermakite	Ghv	genthelvite	Hyn	häyryne	Hjs	hydroniumjarosite
Fwg	ferrowodginite	Ger	germanite	Hz	heazlewoodite	Hhl	hydrohalite
Fer	feruvite	Gdf	gersdorffite	Hd	hedenbergite	Ida	idaite
Fnl	fianelite	Gbs	gibbsite	Hdl	hedleyite	Ik	ikunolite
Fis	fischesserite	Gir	giraudite	Hlv	helvite	Ill	illite*
Fiz	fizélyite	Gld	gladite	Hem	hematite	Ilm	ilmeneite
Flc	fletcherite	Gl	glaucodot	Hm	hemusite	Ilv	ilvaite
Fl	fluorite	Glt	glauconite*	Hnm	henrymeyerite	Ins	inesite
Fed	fluoro-edenite	Gln	glaucophane	Hc	hercynite	Ing	ingodite
Fap	fluorapatite	Go	godlevskite	Hrd	herderite	Irs	irarsite
Foi	foitite	Gt	goethite	Hes	hessite	Ish	ishiharaite
Fo	forsterite	Au	gold	Het	heterosite	Iso	isocubanite
Fos	foshagite	Gf	goldfieldite	Hul	heulandite	Ifp	isoferroplatinum

Ism	isomertieite	Klo	klochite	Lib	libethenite	Mst	magnesiostauroilite
Ixl	ixiolite	Kl	klockmannite	Lid	liddicoatite	Mta	magnesiotaaffeite
Ja	jamesonite	Kob	kobellite	Lil	lillianite	Mtm	magnesiotaramite
Jd	jadeite	Krn	korerupine	Lnd	lindströmite	Mgs	magnesite
Jhn	jahnsite	Kt	kotulskite	Lin	linnaeite	Mgt	magnetite
Jag	jagüéite	Knn	krennerite	Lcb	lipscombite	Mjt	majorite
Jrs	jarosite	Krp	krupkaite	Lph	lithiophilite	Mal	malachite
Jh	johannsenite	Krt	krut'aite	Lz	lizardite	Mld	maldonite
Jo	jonassonite	Kry	kryzhanovskite	Lol	löllingite	Mlv	manganilvaite
Jsv	johnsomervilleite	Kup	kupčikite	Ldn	londonite	Mrc	marcasite
Jrd	jordanite	Ku	kuranite	Lop	loparite	Mrg	margarite
Js-β	joséite-β	Kut	kutnohorite	Lou	loughlinite	Ma	marialite
Jul	julgoldite	Ky	kyanite	Lud	ludlamite	Mtg	mattagamite
Jnt	junoite	Laf	laforêtite	Lue	lueshite	Mau	maucherite
Krs	kaersutite	Ltk	laitakarite	Luz	luzonite	Maw	mawsonite
Kls	kalsilite	Lmp	lamprophyllite	Mkw	mackinawite	Med	medaite
Knk	kaňkite	Lan	lanarkite	Mhg	maghagendorfite	Me	meionite
Kan	kanonaite	Lgt	langite	Mgh	maghemite	Mtk	melanotekite
Kln	kaolinite	Lar	larnite	Maf	magnesio- arfvedsonite	Mln	melanterite
Kar	karelianite	Ltp	latrappite			Mel	melilite
Kto	katoite	Lmt	laumontite	Mcd	magnesiochloritoid	Mlt	melonite
Ktp	katophorite	Lau	launayite	Mcr	magnesiochromite	Mnv	menshikovite
Ke	keilite	Lrt	laurite	Mfr	magnesioferrite	Mrk	merenskyite
Ktb	kentbrooksit	Ltt	lautite	Mft	magnesio-foitite	Mrh	merrihueite
Kem	kermesite	Lws	lawsonite	Mht	magnesio- hastingsite	Mrt	mertieite (I or II)
Kst	kësterite	Lzl	lazulite			Mer	merwinite
Kfs	K-feldspar*	Lzr	lazurite	Mhb	magnesio- hornblende	Mes	messelite
Kil	killalaite	Pb	lead			Mec	metacinnabar
Kmz	kimzeyite	Lpc	lepidocrocite	Mkt	magnesio- katophorite	Mia	miargyrite
Kns	kinoshitalite	Lpd	lepidolite*			Mch	michenerite
Krk	kirkiite	Lct	leucite	Mrt	magnesiorichterite	Mc	microcline
Kch	kirschsteinite	Lvc	lévyclauidite	Mrb	magnesioriebeckite	Mic	microlite

Mie	miessite	Nst	norsethite	Prt	pertlikite	Pmp	pumpellyite
Mih	miharaite	Nsn	nosean	Pet	petalite	Put	putoranite
Mil	milarite	Oft	oftedalite	Pv	petrovicite	Pyg	pyrargyrite
Mlr	millerite	Ojl	ojuleaite	Ptk	petrukite	Py	pyrite
Mim	mimetite	Ol	olivine*	Ptz	petzite	Pya	pyroaurite
Min	minnesotaite	Old	oldhamite	Pha	pharmacosiderite	Pyl	pyrolusite
Mtd	mitridatite	Omp	omphacite	Phk	phenakite	Pcl	pyrochlore
Mlb	molybdenite	Orc	orcelite	Phg	phengite	Pyc	pyrochroite
Mnz	monazite	Orp	orpiment	Phl	phlogopite	Prp	pyrope
Mon	moncheite	Or	orthoclase	Pwg	phosphowalpurite	Pyf	pyrophanite
Mnb	montbrayite	Opx	orthopyroxene*	Pgt	pigeonite	Prl	pyrophyllite
Mbr	montebrasite	Os	osmium	Pi	pirquitasite	Pxm	pyroxmangite
Mtc	monticellite	Osm	osumilite	Plt	platarsite	Po	pyrrhotite
Mnt	montmorillonite	Otr	ottréilite	Pt	platinum	Qd	qandilite
Mor	mordenite	Our	ourayite	Pl	plagioclase	Qtz	quartz
Mmt	morimotoite	Pad	padérite	Pjr	plumbojarosite	Rdk	radtkeite
Mul	mullite	Pd	palladium	Pmc	plumbomicrolite	Rdr	ramdohrite
Ms	muscovite	Pal	palygorskite	Plk	polkanovite	Rmb	rammelsbergite
Nad	nadorite	Plv	paolovite	Pol	pollucite	Rmd	ramsdellite
Ngy	nagyágite	Pg	paragonite	Plb	polybasite	Rnk	rankinite
Nas	nasinite	Par	paratellurite	Plc	polycrase-(Y)	Rsv	rasvumite
Njs	natrojarosite	Prg	pargasite	Pld	polydymite	Rat	rathite
Ntr	natrolite	Pst	parisite	Pln	polyolithionite	Rgr	realgar
Nau	naumannite	Prk	parkerite	Pou	poudretteite	Rdd	reddingite
Nek	nekrasovite	Pav	pavonite	Pov	povondraite	Ren	renierite
Ne	nepheline	Pea	pearceite	Pwl	powellite	Rct	richterite
Nes	nesquehonite	Pct	pectolite	Prh	prehnite	Rbk	riebeckite
Ney	neyite	Pek	pekoite	Ptl	pretulite	Rdz	rhodizite
Nc	nickeline	Pn	pentlandite	Prm	prismatine	Rds	rhodochrosite
Nic	nickelphosphide	Per	periclase	Prs	proustite	Rdn	rhodonite
Nis	nickelskutterudite	Prv	perovskite	Psm	pseudomalachite	Rhs	rhodostannite
Nrb	norbergite	Prr	perrierite	Pss	pseudosinhalite	Rgt	ringwoodite

Rob	robinsonite	Sen	sénarmontite	Sph	stephanite	Tel	teallite
Rck	rockbridgeite	Sep	sepiolite	Stf	stibiobetafite	Tlu	tellurantimony
Roe	roedderite	Srp	serpentine*	Stm	stibiomicrolite	Te	tellurium
Rmn	romanèchite	Shi	shibkovite	Std	stibiopalladinite	Tb	tellurobismuthite
Ro	roquesite	Shu	shuiskite	Sbn	stibnite	Tn	tennantite
Rsc	roscherite	Sck	sicklerite	Stb	stilbite	Tnr	tenorite
Rcl	roscoelite	Sd	siderite	Sll	stilleite	Tep	tephroite
Rsm	rossmanite	Sid	siderophyllite	Stw	stillwaterite	Tau	tetra-auricupride
Rua	ruarsite	Sie	siegenite	Stp	stilpnomelane	Tfa	tetra-ferri-annite
Ruk	rucklidgeite	Shk	shirokshinite	Sti	stishovite	Tfp	tetra-ferriphlogopite
Rsb	rustenburgite	Sil	sillimanite	Stg	strengite	Tfpl	tetraferroplatinum
Rus	rustumite	Ag	silver	Smy	stromeyerite	Ttd	tetradymite
Rt	rutile	Slv	silvialite	Sns	stronalsite	Td	tetrahedrite
Sab	sabatierite	Skt	skutterudite	Str	strontianite	Thl	thalcusite
Sfl	safflorite	Sm	smectite	Stz	stützte	Thn	thénardite
Sal	saliotite	Sob	sobolevskite	Sug	sugilite	Thm	thomsonite
Sa	sanidine	Sdl	sodalite	Su	suredaite	Thr	thorite
Sbb	santabarbaraite	Sog	sogdianite	Syl	sylvanite	Thu	thorutite
Sap	saponite	Sop	sopcheite	Slv	sylvite	Tmn	tiemannite
Spr	sapphirine	Sou	souzalite	Syn	synchysite	Til	tilleyite
Sar	sarcopside	Spy	sperrylite	Tae	taenite	Ttn	titanite
Sat	sartorite	Sps	spessartine	Tai	tainiolite	Toe	tooeleite
Scp	scapolite*	Sp	sphalerite	Tlc	talc	Toz	topaz
Scl	scheelite	Spl	spinel	Tlm	talmessite	Tor	torbernite
Srl	schorl	Spi	spionkopite	Tlk	talnakhite	Trs	törnroosite
Slm	schorlomite	Spd	spodumene	Tnt	tantalite	Tur	tourmaline*
Sch	schwertmannite	Spu	spurrite	Tnf	tantalite-(Fe)	To	toyohaite
Scd	scorodite	Stk	staněkite	Tnm	tantalite-(Mn)	Trb	trabzonite
Scz	scorzalite	Stn	stannite	Tap	tapiolite	Tra	trattnerite
Skn	sekaninaite	Sta	stannoidite	Tsn	tausonite	Tr	tremolite
Se	selenium	St	staurolite	Tav	tavorite	Trd	tridymite
Sel	seligmannite	Stl	stellerite	Tei	teinite	Tln	trilithionite

Tne	trinepheline	Wag	wagnerite
Trp	triphylite	Wai	wairakite
Tp	triploidite	Wlk	wallkilldellite-(Fe)
Trg	trogtalite	Wl	walpurgite
Tro	troilite	Wa	watanabeite
Ts	tschermakite	Wat	watkinsonite
Tsm	tsumoite	Wst	weissite
Tul	tulameenite	Wrd	werdingite
Tgs	tungstenite	Whm	whitmoreite
Ty	tyrrellite	Wil	willemite
Tyu	tyuyamunite	Wth	witherite
Usp	ulvöspinel	Wtc	wittichenite
Um	umangite	Wdg	wodginite
Urn	uraninite	Wo	wollastonite
Umc	uranmicrolite	Wul	wulfenite
Ubt	uranobetafite	Wtz	wurtzite
Urp	uranophane	Wus	wüstite
Uv	uvarovite	Wyl	wyllieite
Uvt	uvite	Xnt	xenotime
Uyt	uytenbogaardtite	Yar	yarrowite
Va	vaesite	Yuk	yukonite
Var	variscite	Znc	zincite
Vr	varulite	Znw	zinnwaldite*
Vrm	vermiculite	Zrn	zircon
Ves	vesuvianite	Zrc	zirconolite
Vtm	viitaniemiite	Zo	zoisite
Vin	vinciennite	Zou	zoubekite
Vio	violarite	Zun	zunyite
Vlt	voltaite	Zv	zvyagintsevite
Vol	volynskite		
Von	vonsevite		
Vsk	vysotskite		

* Names shown with an asterisk refer to series of minerals, *i.e.*, they are not names of a single mineral species. This list is a compilation heavily inspired by the original listing of Kretz (1983); it incorporates selected symbols from the listing of Spear (1993), and includes symbols used by authors of papers published in *The Canadian Mineralogist*. Note that no mineral names are listed here that are not sanctioned by the International Mineralogical Association.

REFERENCES

KRETZ, R. (1983): Symbols for rock-forming minerals. *Am. Mineral.* **68**, 277-279.

SPEAR, F.S. (1993): *Metamorphic phase-equilibria and Pressure – Temperature – Time Paths*. Mineralogical Society of America, Washington, D.C.