

SYMBOLS FOR ROCK- AND ORE-FORMING MINERALS

Act	actinolite	Brr	barrerite	Ccp	chalcopyrite	Eas	eastonite
Ae	aegirine	Brs	barroisite	Chm	chamosite	Eck	eckermannite
Aik	aikinite	Blt	barylite	Chl	chlorite*	Ed	edenite
Ak	åkermanite	Bsl	barysilite	Cld	chloritoid	Elb	elbaite
Ab	albite	Bnj	benjaminite	Chn	chondrodite	En	enstatite
All	allactite	Ber	berryite	Csl	chrisstanleyite	Ep	epidote
Aln	allanite	Bet	betafite	Chr	chromite	Ess	esseneite
Alm	almandine	Brl	beryl	Ccl	chrysocolla	Fa	fayalite
Amp	amphibole*	Bry	beryllonite	Ctl	chrysotile	Fac	ferro-actinolite
Anl	analcime	Beu	beusite	Chu	clinohumite	Fcl	ferrocolumbite
Ant	anatase	Bt	biotite*	Cpt	clinoptilolite	Fed	ferro-edenite
And	andalusite	Bmt	bismuthinite	Cpx	clinopyroxene*	Fs	ferrosilite
Adr	andradite	Bhm	böhmite	Czo	clinozoisite	Ftn	ferrotantalite
Anh	anhydrite	Bor	boralsilite	Cbt	cobaltite	Fts	ferrotschermakite
Ank	ankerite	Bn	bornite	Coe	coesite	Fer	feruvite
Ann	annite	Bnn	bournonite	Cpr	cooperite	Fl	fluorite
An	anorthite	Brg	braggite	Crd	cordierite	Foi	foitite
Atg	antigorite	Brk	brookite	Crr	corrensite	Fo	forsterite
Ath	anthophyllite	Brc	brucite	Crn	corundum	Frd	friedrichite
Ap	apatite*	Bst	bustamite	Cv	covellite	Gn	galena
Apo	apophyllite	Cal	calcite	Crs	cristobalite	Grt	garnet*
Arg	aragonite	Ccn	cancrinite	Cum	cummingtonite	Ged	gedrite
Arf	arfvedsonite	Car	caryopilite	Dsp	diaspore	Gh	gehlenite
Arm	armangite	Cst	cassiterite	Dg	digenite	Gdf	gersdorffite
Apy	arsenopyrite	Cel	celadonite	Di	diopside	Gbs	gibbsite
Asp	aspidolite	Cls	celestite	Dol	dolomite	Gir	giraudite
Aug	augite	Cbz	chabazite	Drv	dravite	Gld	gladite
Brt	barite	Cc	chalcocite	Dum	dumortierite	Glt	glauconite*

Gln	glaucophane	Jrs	jarosite	Mgh	maghemite	Nas	nasinite
Gt	goethite	Jh	johannsenite	Mhb	magnesio- hornblende	Ntr	natrolite
Gft	graftonite	Jsv	johnsomervilleite			Ne	nepheline
Gdd	grandidierite	Jnt	junoite	Mkt	magnesio- katophorite	Ney	neyite
Gr	graphite	Krs	kaersutite			Nc	nickeline
Gre	greenalite	Kls	kalsilite	Mrb	magnesioriebeckite	Nrb	norbergite
Grg	greigite	Kln	kaolinite	Mtm	magnesiotalamite	Nsn	nosean
Grs	grossular	Ktp	katophorite	Mgs	magnesite	Ol	olivine*
Gru	grunerite	Kfs	K-feldspar*	Mgt	magnetite	Omp	omphacite
Gp	gypsum	Kob	kobellite	Mcl	manganocolumbite	Or	orthoclase
Hak	hakite	Krn	kornepurine	Mtn	manganotantalite	Opx	orthopyroxene*
HI	halite	Krp	krupkaite	Mrg	margarite	Osm	osumilite
Ham	hambergite	Kut	kutnohorite	Med	medaite	Pal	palygorskite
Hmr	hammarite	Ky	kyanite	Mel	melilite	Pg	paragonite
Hs	hastingsite	Ltk	laitakarite	Mnv	menshikovite	Prg	pargasite
Hyn	haiyue	Lan	lanarkite	Mrk	merenskyite	Prk	parkerite
Hx	heazlewoodite	Ltp	latrappite	Mer	merwinite	Pct	pectolite
Hd	hedenbergite	Lmt	laumontite	Mc	microcline	Pek	pekoite
Hdl	hedleyite	Lrt	laurite	Mic	microlite	Pn	pentlandite
Hlv	helvite	Lws	lawsonite	Min	minnesotaite	Per	periclase
Hem	hematite	Lzr	lazurite	MLb	molybdenite	Prv	perovskite
Hc	hercynite	Lpd	lepidolite*	Mnz	monazite	Pet	petalite
Hrd	herderite	Lct	leucite	Mon	moncheite	Phk	phenakite
Hul	heulandite	Lnd	lindströmite	Mbs	montebrasite	Phg	phengite
Hbl	hornblende*	Lz	lizardite	Mtc	monticellite	Phl	phlogopite
Hu	humite	Lol	löllingite	Mnt	montmorillonite	Pgt	pigeonite
Ill	illite*	Ldn	londonite	Mor	mordenite	Pl	plagioclase
Ilm	ilmenite	Lop	loparite	Mmt	morimotoite	Pmc	plumbomicrolite
Ins	inesite	Lou	loughlinite	Mul	mullite	Pol	pollucite
Ixl	ixiolite	Lue	lueshite	Ms	muscovite	Prh	prehnite
Jd	jadeite	Mkw	mackinawite	Nad	nadorite	Prm	prismatine

Pmp pumpellyite
Py pyrite
Pya pyroaurite
Pyc pyrochroite
Prp pyrope
Pyf pyrophanite
Prl pyrophyllite
Pxm pyroxmangite
Po pyrrohotite
Qtz quartz
Rnk rankinite
Rbk riebeckite
Rdz rhodizite
Rds rhodochrosite
Rdn rhodonite
Rsm rossmanite
Rsb rustenbergite
Rt rutile
Sa sanidine
Spr sapphirine
Sar sarcopside
Scp scapolite*
Srl schorl
Skn sekaninaite
Sep sepiolite
Srp serpentine*
Sd siderite
Sil sillimanite
Sm smectite
Sdl sodalite
Sps spessartine

Sp sphalerite
Spl spinel
Spd spodumene
Spu spurrite
St staurolite
Stl stellerite
Stf stibiobetafite
Stm stibiomicrolite
Std stibiopalladinite
Stb stilbite
Stp stilpnomelane
Sti stishovite
Str strontianite
Tlc talc
Tap tapiolite
Tsn tausonite
Tn tennantite
Tep tephroite
Td tetrahedrite
Thm thomsonite
Thr thorite
Tmn tiemannite
Til tilleyite
Ttn titanite
Toz topaz
Tur tourmaline*
Tr tremolite
Trd tridymite
Tph triphylite
Tro troilite
Ts tschermakite

Usp ulvöspinel
Urn uraninite
Umc uranmicrolite
Uv uvarovite
Vrm vermiculite
Ves vesuvianite
Vtm viitaniemiite
Vsk vysotskite
Wai wairakite
Wrd werdingite
Wth witherite
Wtc wittichenite
Wo wollastonite
Wus wüstite
Xnt xenotime
Zrn zircon
Zo zoisite

* 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*.

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.