

American Federation
Of
Mineralogical Societies



AFMS

Mineral Classification List

New Edition

Updated for 2003

AFMS Publications Committee

B. Jay Bowman, Chair

Introduction to the Mineral Classification List

The AFMS Rules Committee voted to eliminate the listing in the Rulebook of references for mineral names except for the AFMS Mineral Classification List.

Exhibitors are encouraged to use the AFMS List when exhibiting in the B Division (Minerals). If the mineral they are exhibiting is not on the AFMS List they should note on the Mineral list they present to the judging chairman which reference they did use for the information on their label. The Regional Rules Chairs have been asked to submit names to be added to the list which will be updated with addendum's each year. In a few years the list should represent most of the minerals generally exhibited out of the 4200+ now recognized by the IMA.

This list follows the Glossary of Mineral species which is the IMA approved names for minerals. When the Official name of the mineral includes diacritical mark, they are underlined to indicate they are the IMA approved name. Where usage of old names has been in use for years they have been included, but with the approved spelling underlined following it. The older spelling will be accepted for the present so exhibitors will not have to correct there present label.

This list may not contain all mineral species being exhibited. Exhibitors are encouraged to submit names to be added to the list to the Rules committee.

AFMS MINERAL CLASSIFICATION LIST

ACANTHITE	sulfide	ARTINITE	carbonate
ACTINOLITE	silicate	ASTROPHYLLITE	silicate
ADAMITE	arsenate	ATACAMITE	halide
AEGIRINE	silicate	ATELESTITE	arsenate
AFGHANITE	silicate	AUGELITE	phosphate
AFWILLITE	silicate	AUGITE	silicate
AGARDITE	arsenate	AURICHALCITE	carbonate
<u>AGARDITE-La</u>	arsenate	AUSTINITE	arsenate
<u>AGARDITE-Y</u>	arsenate	AUTUNITE	phosphate
AIKINITE	sulfosalt	AZURITE	carbonate
AJOITE	silicate		
ALAMOSITE	silicate	BARBOSALITE	phosphate
ALBITE	silicate	BARITE	sulfate
ALLACTITE	arsenate	BARNESITE	vanadate
ALLANITE	silicate	BARYLITE	silicate
<u>ALLANITE-Ce</u>	silicate	BASTNASITE	carbonate
<u>ALLANITE-Y</u>	silicate	<u>BASTNASITE-Ce</u>	carbonate
ALMANDINE	silicate	<u>BASTNASITE-La</u>	carbonate
ALSTONITE	carbonate	<u>BASTNASITE-Y</u>	carbonate
ALTAITE	telluride	BUAMHAUERITE	sulfosalt
AMBLYGONITE	phosphate	<u>BUAMHAUERITE-2a</u>	sulfosalt
ANALCIME	silicate	BAYLEYITE	carbonate
ANAPAITE	phosphate	BEAVERITE	sulfate
ANATASE	oxide	BECQUERELITE	oxide
ANCYLITE	carbonate	BEMENTITE	silicate
<u>ANCYLITE-Ce</u>	carbonate	BENITOITE	silicate
<u>ANCYLITE-La</u>	carbonate	BENSTONITE	carbonate
ANDALUSITE	silicate	BERAUNITE	phosphate
ANDERSONITE	carbonate	BERTRANDITE	silicate
ANDORITE	sulfosalt	BERYL	silicate
ANDRADITE	silicate	BERYLLONITE	phosphate
ANGLESITE	sulfate	BETAFITE	oxide
ANHYDRITE	sulfate	BEUDANTITE	arsenate
ANKERITE	carbonate	BIKITAITE	silicate
ANNABERGITE	arsenate	BIOTITE	silicate
ANTIMONY	element	BISMUTH	element
ANTLERITE	sulfate	BISMUTHINITE	oxide
ARAGONITE	carbonate	BIXBYITE	oxide
ARGENTOPYRITE	sulfide	BJAREBYITE	phosphate
ARGYRODITE	sulfide	BLIXITE	halide
ARSENIC	element	BOLEITE	halide
ARSENOLITE	oxide	BOLTWOODITE	silicate
ARSENOPYRITE	sulfide	BORACITE	borate
ARTHURITE	arsenate	BORAX	borate

AFMS MINERAL CLASSIFICATION LIST

BORNITE	sulfide	CHALCOPYRITE	sulfide
BOTALLACKITE	halide	CHAMBERSITE	borate
BOULANGERITE	sulfosalt	CHENEVIXITE	arsenate
BOURNONITE	sulfosalt	CHERVETITE	vanadate
BRACKEBUSCHITE	vanadate	CHILDRENITE	phosphate
BRANNOCKITE	silicate	CHLORAPATITE	phosphate
BRAUNITE	oxide	CHLORARGYRITE	halide
BRAZILIANITE	phosphate	CHROMITE	oxide
BREWSTERITE	silicate	CHRYSOBERYL	oxide
<u>BREWSTERITE-Ba</u>	silicate	CHRYSOCOLLA	silicate
<u>BREWSTERITE-Sr</u>	silicate	CINNABAR	sulfide
BROCHANTITE	sulfate	CLINOCHLORE	silicate
BROOKITE	oxide	CLINOCHRYSOTILE	silicate
BRUCITE	oxide	CLINOCLASE	arsenate
BUERGERITE	silicate	CLINOHEDRITE	silicate
BURBANKITE	carbonate	CLINOPTILOLITE	silicate
BURKEITE	carbonate	<u>CLINOPTILOLITE-Ca</u>	silicate
BUSTAMITE	silicate	<u>CLINOPTILOLITE-K</u>	silicate
		<u>CLINOPTILOLITE-Na</u>	silicate
CACOXENITE	phosphate	CLINOZOISITE	silicate
CAHNITE	arsenate	COBALTITE	sulfide
CALAVERITE	telluride	COLEMANITE	borate
CALCITE	carbonate	COLLINSITE	phosphate
CALEDONITE	sulfate	COLUSITE	sulfosalt
CALLAGHANITE	carbonate	CONICHALCITE	arsenate
CARLETONITE	silicate	CONNELLITE	sulfate
CARMINITE	arsenate	COOKEITE	silicate
CARNOTITE	vanadate	COPPER	element
CARROLITE	sulfide	COQUIMBITE	sulfate
CASSITERITE	oxide	CORDIERITE	silicate
CATAPLEIITE	silicate	CORKITE	phosphate
CAVANSITE	silicate	CORNETITE	phosphate
CELESTINE	sulfate	CORNUBITE	arsenate
CERUSSITE	carbonate	CORUNDUM	oxide
CERVANTITE	oxide	CORVUSITE	vanadate
CHABAZITE	silicate	COSALITE	sulfosalt
<u>CHABAZITE-Ca</u>	silicate	COTUNNITE	halide
<u>CHABAZITE-K</u>	silicate	COVELLITE	sulfide
<u>CHABAZITE-Na</u>	silicate	COWLESITE	silicate
CHALCANTHITE	sulfate	CRANDALLITE	phosphate
CHALCOALUMITE	sulfate	CREEDITE	halide
CHALCOCITE	sulfide	CRISTOBALITE	oxide or silicate
CHALCOPHANITE	oxide	CROCOITE	chromate
CHALCOPHYLLITE	arsenate	CRONSTEDTITE	silicate

AFMS MINERAL CLASSIFICATION LIST

CRYOLITE	halide	EKANITE	silicate
CUBANITE	sulfide	ELBAITE	silicate
CUMENGITE	halide	ELPIDITE	silicate
CUPRITE	oxide	EMMONSITE	tellurite
CUPROPAVONITE	sulfosalt	EMPLECTITE	sulfosalt
CUPROSKLODOWSKITE	silicate	ENARGITE	sulfosalt
CURIENITE	vanadate	ENSTATITE	silicate
CURITE	uranate	EOSPHORITE	phosphate
CYANOTRICHITE	sulfate	EPHESITE	silicate
CYLINDRITE	sulfosalt	EPIDIDYMITE	silicate
		EPIDOTE	silicate
DACHIARDITE	silicate	EPISTILBITE	silicate
<u>DACHIARDITE-Ca</u>	silicate	ERIONITE	silicate
<u>DACHIARDITE-Na</u>	silicate	<u>ERIONITE-Ca</u>	silicate
DANBURITE	silicate	<u>ERIONITE-K</u>	silicate
DATOLITE	silicate	<u>ERIONITE-Na</u>	silicate
DAWSONITE	carbonate	ERYTHRITE	arsenate
DELAFOSSITE	oxide	ESPERITE	silicate
DESAUTELSITE	carbonate	ETTRINGITE	sulfate
DESCLOIZITE	vanadate	EUCHROITE	arsenate
DEVILLINE	sulfate	EUCLASE	silicate
DIABOLEITE	halide	EUDIALYTE	silicate
<u>DIABOLIITE</u>	halide	EULYTITE	silicate
DIAMOND	element	EUXENITE	oxide
DIGENITE	sulfide	<u>EUXENITE-Y</u>	oxide
DIOPSIDE	silicate		
DIOPTASE	silicate	FAIRFIELDITE	phosphate
DJURLEITE	sulfide	FAMATINITE	sulfosalt
DOLOMITE	carbonate	FAUJASITE	silicate
DOMEYKITE	arsenide	<u>FAUJASITE-Ca</u>	silicate
DONNAYITE	carbonate	<u>FAUJASITE-Mg</u>	silicate
<u>DONNAYITE-Y</u>	carbonate	<u>FAUJASITE-Na</u>	silicate
DRAVITE	silicate	FAYALITE	silicate
DUFTITE	arsenate	FERBERITE	tungstate
DUMORTIERITE	silicate	FERRIERITE	silicate
DUNDASITE	carbonate	<u>FERRIERITE-K</u>	silicate
DYPINGITE	carbonate	<u>FERRIERITE-Mg</u>	silicate
DYSCRASITE	antimonide	<u>FERRIERITE-Na</u>	silicate
		FERRO-AXINITE	silicate
EAKERITE	silicate	FERROCOLUMBITE	oxide
EDENITE	silicate	FERROHORNBLEND	silicate
EDINGTONITE	silicate	FLUOBORITE	borate
EGLESTONITE	halide	FLUORAPATITE	phosphate
		FLUORAPOPHYLLITE	silicate

AFMS MINERAL CLASSIFICATION LIST

FLUORITE	halide	GRAPHITE	element
FOGGITE	phosphate	GRATONITE	sulfosalt
FORNACITE	chromate	GREENOCKITE	sulfide
FORSTERITE	silicate	GROSSULAR	silicate
FOSHAGITE	silicate	GROUTITE	oxide
FOURMARIERITE	oxide	GYPSUM	sulfate
FRANCEVILLITE	vanadate	GYROLITE	silicate
FRANCKEITE	sulfosalt		
FRANKLINITE	oxide	HALITE	halide
FREIBERGITE	sulfosalt	HALOTRICHITE	sulfate
FRIEDELITE	silicate	HAMBERGITE	borate
		HANCOCKITE	silicate
GAGEITE	silicate	HANKSITE	sulfate
GAHNITE	oxide	HARDYSTONITE	silicate
GALEITE	sulfate	HARMOTOME	silicate
GALENA	sulfide	HAUERITE	sulfide
GALKHAITE	sulfosalt	HAUSMANNITE	oxide
GANOMALITE	silicate	HAUYNE	silicate
GARRONITE	silicate	<u>HAÛYNE</u>	silicate
GAUDEFROYITE	borate	HEAZLEWOODITE	sulfide
GAYLUSSITE	carbonate	HEDENBERGITE	silicate
GEHLENITE	silicate	HEDYPHANE	arsenate
GENTHELVITE	silicate	HEMATITE	oxide
GEORGEITE	carbonate	HEMIHEDRITE	silicate
GERSDORFFITE	sulfide	HEMIMORPHITE	silicate
GERSTLEYITE	sulfosalt	HERDERITE	phosphate
GETCHELLITE	sulfide	HESSITE	telluride
GIRDITE	tellurite	HETAEROLITE	oxide
GISMONDINE	silicate	HEULANDITE	silicate
GLAUBERITE	sulfate	<u>HEULANDITE-Ca</u>	silicate
GLAUCOCHROITE	silicate	<u>HEULANDITE-K</u>	silicate
GLAUCODOT	sulfide	<u>HEULANDITE-Na</u>	silicate
GMELINITE	silicate	<u>HEULANDITE-Sr</u>	silicate
<u>GMELINITE-Ca</u>	silicate	HIBONITE	oxide
<u>GMELINITE-K</u>	silicate	HILAIRITE	silicate
<u>GMELINITE-Na</u>	silicate	HINSDALITE	phosphate
GOETHITE	oxide	HIORTDAHLITE	silicate
GOLD	element	<u>HIORTDAHLITE I</u>	silicate
GOOSECREEKITE	silicate	<u>HIORTDAHLITE II</u>	silicate
GONNARDITE	silicate	HODGKINSONITE	silicate
GORDONITE	phosphate	HOLDENITE	arsenate
GOUDEYITE	arsenate	HONESSITE	sulfate
GOWERITE	borate	HOPEITE	phosphate
GRAFTONITE	phosphate	HOWIEITE	silicate

AFMS MINERAL CLASSIFICATION LIST

HOWLITE	silicate	KAINOSITE	silicate
HUEBNERITE	tungstate	<u>KAINOSITE-Y</u>	silicate
<u>H_BNERITE</u>	tungstate	KAOLINITE	silicate
HUMMERITE	vanadate	KASOLITE	silicate
HUREAULITE	phosphate	KERMESITE	sulfide
<u>HURIAULITE</u>	phosphate	KERNITE	borate
HUTCHINSONITE	sulfosalt	KEYITE	arsenate
HYDROBORACITE	borate	KIDWELLITE	phosphate
HYDROCERUSSITE	carbonate	KINOITE	silicate
HYDROHETAEROLITE	oxide	KLEBELSBERGITE	sulfate
HYDROMAGNESITE	carbonate	KLEINITE	sulfate
HYDROXYLAPATITE	phosphate	KOLBECKITE	phosphate
HYDROXYLHERDERITE	phosphate	KOETTIGITE	arsenate
HYRDOZINCITE	carbonate	<u>K TTIGITE</u>	arsenate
		KRENNERITE	telluride
IANTHINITE	uranate	KROEHNKITE	sulfate
ILMENITE	oxide	<u>KR_HNKITE</u>	sulfate
ILMENORUTILE	oxide	KRYZHANOVSKITE	phosphate
ILSEMANNITE	oxide	KTENASITE	sulfate
ILVAITE	silicate	KULANITE	phosphate
INDERITE	borate	KURNAKOVITE	borate
INESITE	silicate	KUTNOHORITE	carbonate
INYOITE	borate	KYANITE	silicate
IODARGYRITE	halide		
IRIDIUM	element	LABUNTSOVITE	silicate
IRON	element	LANGBANITE	silicate
		<u>LÄNGBANITE</u>	silicate
JACOBSITE	oxide	LANGITE	sulfate
JADEITE	silicate	LAUEITE	phosphate
JAHSITE	phosphate	LAUMONTITE	silicate
<u>JAHSITE-(CaMnFe)</u>	phosphate	LAURIONITE	halide
<u>JAHSITE-(CaMnMg)</u>	phosphate	LAVENDULAN	arsenate
<u>JAHSITE-(CaMnMn)</u>	phosphate	LAVENITE	silicate
JAMESONITE	sulfosalt	<u>LCVENITE</u>	silicate
JAROSITE	sulfate	LAWSONITE	silicate
JEREMEJEVITE	borate	LAZULITE	phosphate
JOAQUINITE	silicate	LAZURITE	silicate
<u>JOAQUINITE-Ce</u>	silicate	LEAD	element
JOHANNITE	sulfate	LEADHILLITE	sulfate
JOHANNSENITE	silicate	LEGRANDITE	arsenate
JORDANITE	sulfosalt	LEIFITE	silicate
JUNITOITE	silicate	LEMOYNITE	silicate
		LENGENBACHITE	sulfosalt

AFMS MINERAL CLASSIFICATION LIST

LEPIDOCROCITE	oxide	MARTHOZITE	selenate
LEPIDOLITE	silicate	MASUYITE	oxide
LEUCITE	silicate	MATLOCKITE	halide
LEUCOPHANITE	silicate	MCGOVERNITE	silicate
LEUCOPHOENICITE	silicate	MEIONITE	silicate
LEUCOPHOSPHITE	phosphate	MELANOPHLOGITE	oxide
LEUCOSPHEINITE	silicate	MELONITE	telluride
LEVYNE	silicate	MENEGHINITE	sulfosalt
<u>LEVYNE-Ca</u>	silicate	MERCURY	element
<u>LEVYNE-Na</u>	silicate	MESOLITE	silicate
LIBETHENITE	phosphate	MESSELITE	phosphate
LIDDICOATITE	silicate	META-AUTUNITE	phosphate
LIEBIGITE	carbonate	METACINNABAR	sulfide
LILLIANITE	sulfosalt	METAHEWETTITE	vanadate
LINARITE	sulfate	METASTIBNITE	sulfide
LINDGRENITE	molybdate	METATORBERNITE	phosphate
LIROCONITE	arsenate	META-URANOCIRCITE	phosphate
LITHIOPHILITE	phosphate	METAVARISCITE	phosphate
LIVINGSTONITE	sulfosalt	METAVAUXTITE	phosphate
LOELLINGITE	arsenide	MEYERHOFFERITE	borate
<u>L LLINGITE</u>	arsenide	MIARGYRITE	sulfosalt
LOPARITE	oxide	MICROCLINE	silicate
<u>LOPARITE-Ce</u>	oxide	MICROLITE	tantalate
LORANDITE	sulfosalt	MILARITE	silicate
LORENZENITE	silicate	MILLERITE	sulfide
LUDLAMITE	phosphate	MIMETITE	arsenate
LUDLOCKITE	arsenate	MINIUM	oxide
LUDWIGITE	borate	MIRABILITE	sulfate
LUZONITE	sulfosalt	MIXITE	arsenate
MACKAYITE	tellurite	MOLYBDENITE	sulfide
MAGNESIOFERRITE	oxide	MONAZITE	phosphate
MAGNESITE	carbonate	<u>MONAZITE-Ce</u>	phosphate
MAGNETITE	oxide	<u>MONAZITE-La</u>	phosphate
MALACHITE	carbonate	<u>MONAZITE-Nd</u>	phosphate
MANGANAXINITE	silicate	MONTEBRASITE	phosphate
MANGANBERZELIITE	arsenate	MONTEREGIANITE	silicate
MANGANITE	oxide	<u>MONTEREGIANITE-Y</u>	silicate
MANGAN-NEPTUNITE	silicate	MONTGOMERYITE	phosphate
MANGANOCOLUMBITE	oxide	MONTROYDITE	oxide
MANGANOTANTALITE	oxide	MOOREITE	sulfate
MARCASITE	sulfide	MORDENITE	silicate
MARIALITE	silicate	MOTTRAMITE	vanadate
		MURDOCHITE	oxide
		MUSCOVITE	silicate

AFMS MINERAL CLASSIFICATION LIST

NADORITE	antimonite	PARATACAMITE	halide
NAGYAGITE	sulfide	PARAVAUXITE	phosphate
<u>NAGYAGITE</u>	sulfide	PARISITE	carbonate
NAKAURITE	carbonate	<u>PARISITE-Ce</u>	carbonate
NARSARSUKITE	silicate	<u>PARISITE-Nd</u>	carbonate
NASONITE	silicate	PARTZITE	antimonite
NATROCHALCITE	sulfate	PAULINGITE	silicate
NATROJAROSITE	sulfate	<u>PAULINGITE-Ca</u>	silicate
NATROLITE	silicate	<u>PAULINGITE-K</u>	silicate
NENADKEVICHITE	silicate	PECTOLITE	silicate
NEPTUNITE	silicate	PENTAGONITE	silicate
NICKELINE	arsenide	PERICLASE	oxide
NICKEL-SKUTTERUDITE	arsenide	PEROVSKITE	oxide
NISSONITE	phosphate	PETZITE	telluride
NOBLEITE	borate	PHARMACOLITE	arsenate
NORDSTRANDITE	oxide	PHENAKITE	silicate
NORTHUPITE	carbonate	PHILLIPSITE	silicate
NOVACEKITE	arsenate	<u>PHILLIPSITE-Ca</u>	silicate
<u>NOVÁĚEKITE</u>	arsenate	<u>PHILLIPSITE-K</u>	silicate
		<u>PHILLIPSITE-Na</u>	silicate
		PHLOGOPITE	silicate
OFFRETITE	silicate	PHOSGENITE	carbonate
<u>OFFRETITE</u>	silicate	PHOSPHOPHYLLITE	phosphate
OKENITE	silicate	PHOSPHOSIDERITE	phosphate
OLIVENITE	arsenate	PHOSPHURANYLITE	phosphate
OPAL	silicate	PICKERINGITE	sulfate
ORPIMENT	sulfide	PIEMONTITE	silicate
ORTHOCLASE	silicate	PIRSSONITE	carbonate
OSUMILITE	silicate	PLANCHEITE	silicate
OTAVITE	carbonate	<u>PLANCHOITE</u>	silicate
OURAYITE	sulfosalt	PLATINUM	element
OVERITE	phosphate	PLATTNERITE	oxide
OWYHEEITE	sulfosalt	PLUMBOGUMMITE	phosphate
		PLUMBOJAROSITE	sulfate
PACHNOLITE	halide	POLYBASITE	sulfosalt
PALERMOITE	phosphate	POLYHALITE	sulfate
PAPAGOITE	silicate	POLYLITHIONITE	silicate
PARADAMITE	arsenate	POWELLITE	molybdate
PARADOCRASITE	arsenate	PREHNITE	silicate
PARAHOPEITE	phosphate	PROBERTITE	borate
PARALAURIONITE	halide	PROUSTITE	sulfosalt
PARASCHOLZITE	phosphate	PSEUDOBOLITE	halide
PARASYMPLESITE	arsenate	<u>PSEUDOBOLITE</u>	halide

AFMS MINERAL CLASSIFICATION LIST

PSEUDOBROOKITE	oxide	SALEEITE	phosphate
PSEUDOLAUEITE	phosphate	SALESITE	iodate
PSEUDOMALACHITE	phosphate	SAPPHIRINE	silicate
PUMPELLYITE	silicate	SARTORITE	sulfosalt
<u>PUMPELLYITE-Fe²⁺</u>	silicate	SCAWTITE	silicate
<u>PUMPELLYITE-Fe³⁺</u>	silicate	SCHEELITE	tungstate
<u>PUMPELLYITE-Mg</u>	silicate	SCHOEPITE	oxide
<u>PUMPELLYITE-Mn²⁺</u>	silicate	SCHOLZITE	phosphate
PYRARGYRITE	sulfosalt	SCHORL	silicate
PYRITE	sulfide	SCHRÖECKINGERITE	carbonate
PYROAURITE	carbonate	<u>SCHROCKINGERITE</u>	carbonate
PYROCHLORE	oxide	SCOLECITE	silicate
PYROLUSITE	oxide	SCORODITE	arsenate
PYROMORPHITE	phosphate	SEARLESITE	silicate
PYROPE	silicate	SEGELERITE	phosphate
PYROPHYLLITE	silicate	SELIGMANNITE	sulfosalt
PYROSTILPNITE	sulfosalt	SEMSEYITE	sulfosalt
PYRRHOTITE	sulfide	SENARMONTITE	oxide
QUARTZ	oxide or silicate	SENEGALITE	phosphate
RAMSDELLITE	oxide	SENGIERITE	vanadate
RASPITE	tungstate	SERANDITE	silicate
REALGAR	sulfide	<u>SĚRANDITE</u>	silicate
REDDINGITE	phosphate	SERPIERITE	sulfate
RHODIZITE	borate	SHATTUCKITE	silicate
RHODOCHROSITE	carbonate	SIDERITE	carbonate
RHODONITE	silicate	SIEGENITE	sulfide
RICHTERITE	silicate	SILVER	element
RIEBECKITE	silicate	SKLODOWSKITE	silicate
ROBERTSITE	phosphate	SKUTTERUDITE	arsenide
ROCKBRIDGEITE	phosphate	SMITHSONITE	carbonate
ROMANECHITE	oxide	SMYTHITE	sulfide
<u>ROMANOCHITE</u>	oxide	SODALITE	silicate
ROSASITE	carbonate	SODDYITE	silicate
ROSCHERITE	phosphate	SPANGOLITE	sulfate
ROSELITE	arsenate	SPERRYLITE	arsenide
ROSICKYITE	element	SPESSARTINE	silicate
<u>ROSICKKITE</u>	element	SPHAEROCOBALTITE	carbonate
RUIZITE	silicate	SPHALERITE	sulfide
RUTILE	oxide	SPINEL	oxide
SALEEITE	phosphate	SPODUMENE	silicate
		STARKEYITE	silicate
		STAUROLITE	silicate
		STELLERITE	silicate
		STEPHANITE	sulfosalt

AFMS MINERAL CLASSIFICATION LIST

STERNBERGITE	sulfide	TODOROKITE	oxide
STEWARTITE	phosphate	TOPAZ	silicate
STIBICONITE	oxide	TORBERNITE	phosphate
STIBIOTANTALITE	oxide	TREMOLITE	silicate
STIBNITE	sulfide	TRIDYMITE	oxide or silicate
STILBITE	silicate	TSCHERNICHITE	silicate
<u>STILBITE-Ca</u>	silicate	TSUMEBITE	phosphate
<u>STILBITE-Na</u>	silicate	TUNDRITE	silicate
STOLZITE	tungstate	<u>TUNDRITE-Ce</u>	silicate
STRENGITE	phosphate	<u>TUNDRITE-Nd</u>	silicate
STRINGHAMITE	silicate	TUNELLITE	borate
STRONTIANITE	carbonate	TURQUOISE	phosphate
STRUNZITE	phosphate	TYCHITE	carbonate
STURMANITE	sulfate	TYUYAMUNITE	vanadate
SULFUR	element		
SULPHOHALITE	sulfate	ULEXITE	borate
SVANBERGITE	phosphate	URANINITE	oxide
SWITZERITE	phosphate	URANOCIRCITE	phosphate
SYLVANITE	telluride	URANOPHANE	silicate
SYLVITE	halide	URANOPHANE-beta	silicate
SYMPLESITE	arsenate	UVAROVITE	silicate
SYNCHYSITE	carbonate	UVITE	silicate
<u>SYNCHYSITE-Ce</u>	carbonate		
<u>SYNCHYSITE-Nd</u>	carbonate	VALENTINITE	oxide
<u>SYNCHYSITE-Y</u>	carbonate	VANADINITE	vanadate
		VANDENBRANDEITE	oxide
TARBUTTITE	phosphate	VANURALITE	vanadate
TAVORITE	phosphate	VARISCITE	phosphate
TELLURITE	oxide	VAUXITE	phosphate
TELLURIUM	element	VESUVIANITE	silicate
TENNANTITE	sulfosalt	VESZELYITE	phosphate
TENORITE	oxide	VILLIAUMITE	halide
TEPHROITE	silicate	VIVIANITE	phosphate
TERLINGUAITE	halide	VOLBORTHITE	vanadate
TETRAHEDRITE	sulfosalt	VOLTAITE	sulfate
THAUMASITE	silicate		
THENARDITE	sulfate	WAKABAYASHILITE	sulfide
THOMSENOLITE	halide	WARDITE	phosphate
THOMSONITE	silicate	WAVELLITE	phosphate
THORIANITE	oxide	WEEKSITE	silicate
TIEMANNITE	selenide	WELOGANITE	carbonate
TINCALCONITE	borate	WERMLANDITE	sulfate
TITANITE	silicate	WHERRYITE	sulfate
TOBERMORITE	silicate	WHITEITE	phosphate

AFMS MINERAL CLASSIFICATION LIST

<u>WHITEITE-(CaFeMg)</u>	phosphate	YOFORTIERITE	silicate
<u>WHITEITE-(CaMnMg)</u>	phosphate		
<u>WHITEITE-(MnFeMg)</u>	phosphate	ZEUNERITE	arsenate
WHITLOCKITE	phosphate	ZINCITE	oxide
WILLEMITE	silicate	ZINKENITE	sulfosalt
WINSTANLEYITE	tellurite	ZINNWALDITE	silicate
WITHERITE	carbonate	ZIPPEITE	sulfate
WOLLASTONITE	silicate	ZIRCON	silicate
WOODHOUSEITE	phosphate	ZOISITE	silicate
WULFENITE	molybdate	ZUNYITE	silicate
WURTZITE	sulfide		
XANTHOCONITE	sulfosalt		
XENOTIME	phosphate		
<u>XENOTIME-Y</u>	phosphate		
XONOTLITE	silicate		

VARIETY OF SPECIES

Please Read Rule 2.2 Page B-1-2003 on how to make Mineral Labels

ADULARIA	var. of orthoclase
AMAZONITE	var. of microcline
APATITE	phosphate. DISCREDITED. SEE FLUOAPATITE
APOPHYLLITE	silicate. DISCREDITED. SEE FLUORAPHOYLLITE
CHALCOTRICHITE	var. of cuprite
CLEAVELANDITE	var. of albite
CUPROADAMHITE	var. of adamite
ENDLICHITE	var. of vanadinite
KAEMMERERITE	var. of clinocllore
LEONHARDITE	var. of laumontite. DISCREDITED. SEE STARKEYITE
MARTITE	DISCREDITED. NOT A VALID SPECIES
SELENITE	var. of gypsum
SMALITE	var. of skutterudite

Use these gem names only when shown as a variety

ALEXANDRITE	var. of chrysoberyl (a gem name)
AMETHYST	var. of quartz (a gem name)
AQUAMARINE	var. of beryl (a gem name)
CITRINE	var. of quartz (a gem name)
EMERALD	var. of beryl (a gem name)
HELIODOR	var. of beryl (a gem name)
HESSONITE	var. of grossular (a gem name)
HIDDENITE	var. of spodumene (a gem name)
INDICOLITE	var. of elbaite (a gem name)
KUNZITE	var. of spodumene (a gem name)
MELANITE	var. of andradite (a gem name)
MORGANITE	var. of beryl (a gem name)
PERIDOT	var. of forstente (a gem name)
ROSE QUARTZ	var. of quartz (a gem name)
RUBELLITE	var. of elbaite (a gem name)
RUBY	var. of corundum (a gem name)
SMOKY QUARTZ	var. of quartz (a gem name)
TOPAZOLITE	var. of andradite (a gem name)

Revised January, 2003