

No.	Mineral	Mineral Group	Formula
1	graphite	I: native elements	C
2	sulfur		S
3	copper		Cu
4	sphalerite	II: sulfides	ZnS
5	pyrite		FeS ₂
6	chalcopyrite		CuFeS ₂
7	galena		PbS
8	corundum	III: oxides	Al ₂ O ₃
9	limonite		FeO•OH
10	bauxite		AlO•(OH)
11	magnetite		Fe ₃ O ₄
12	hematite		Fe ₂ O ₃
13	halite	IV: halides	NaCl
14	fluorite		CaF ₂
15	calcite	V: carbonates	CaCO ₃
16	dolomite		CaMg(CO ₃) ₂
17	malachite		Cu ₂ CO ₃ (OH) ₂
18	gypsum (v. selenite)	VI: sulphates	CaSO ₄
19	gypsum (v. satin spar)		CaSO ₄
20	apatite	VII: phosphates	Ca ₅ (F,Cl)(PO ₄) ₃
VIII. Silicate Minerals			
21	quartz (v. milky)	quartz varieties	SiO ₂
22	quartz (v. crystal)		SiO ₂
23	quartz (v. rose)		SiO ₂
24	quartz (v. amethyst)		SiO ₂
25	quartz (v. smoky)		SiO ₂
26	olivine	igneous silicates	(Mg,Fe) ₂ SiO ₄
27	augite [pyroxene]		Ca(Mg,Fe)Si ₂ O ₆
28	hornblende [amphibole]		Ca ₂ (Mg,Fe) ₅ Si ₈ O ₂₂ (OH)
29	biotite [mica]		K(Mg,Fe) ₃ AlSi ₃ O ₁₀ (OH) ₂
30	muscovite [mica]		KAl ₃ Si ₃ O ₁₀ (OH) ₂
31	Ca-plagioclase		CaAl ₂ Si ₂ O ₈
32	Na-plagioclase		NaAlSi ₃ O ₈
33	orthoclase	KAlSi ₃ O ₈	
34	talc	metamorphic silicates	Mg ₃ Si ₄ O ₁₀ (OH) ₂
35	chlorite		(Mg,Fe) ₆ (Al,Si) ₄ O ₁₀ (OH) ₈
36	garnet		(Mg,Fe,Ca,Mn) ₃ Al ₂ Si ₃ O ₁₂
37	kyanite		Al ₂ SiO ₅
38	staurolite	sedimentary silicates	Fe ₂ Al ₉ Si ₄ O ₂₂ (OH) ₂
39	chert (cryptocrystalline quartz)		SiO ₂
40	kaolinite		Al ₂ Si ₂ O ₅ (OH) ₄