

Nonsilicates are further subdivided into

- A. Sulfides
- B. Oxides
- C. Carbonates
- D. Sulfates
- E. Hydroxides
- F. Phosphates
- G. Halides

SULFIDES

Pyrite	FeS_2
Chalcopyrite	CuFeS_2
Covelite	CuS
Bornite	Cu_5FeS_4
Cinnabar	HgS
Galena	PbS
Sphalerite	ZnS
Molybdenite	MoS_2
Arsenopyrite	FeAsS
Chalcocite	Cu_2S
Enargite	Cu_3AsS_4
Pyrrhotite	Fe_{1-x}S

Realgar AsS

Stibinte Sb₂S₃

OXIDES

Periclase MgO

Corundum Al₂O₃

Hematite Fe₂O₃

Magnetite Fe₃O₄

Ilmenite FeTiO₃

Rutile TiO₂

Spinel MgAl₂O₄

Cassiterite SnO₂

Chromite (Fe,Mg)Cr₂O₄

Cuprite Cu₂O

Franklinite (Zn,Fe²⁺)(Fe³⁺)₂O₄

Pyrolusite MnO₂

CARBONATES

Calcite CaCO₃

Aragonite CaCO₃

Siderite FeCO₃

Magnesite MgCO₃

Dolomite $\text{CaMg}(\text{CO}_3)_2$

Azurite $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$

Cerussite PbCO_3

Malachite $\text{Cu}_2(\text{CO}_3)(\text{OH})_2$

Rhodochrosite MnCO_3

SULFATES

Gypsum $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

Anhydrite CaSO_4

Barite BaSO_4

HYDROXIDES

Brucite $\text{Mg}(\text{OH})_2$

Gibbsite $\text{Al}(\text{OH})_3$

Goethite $\text{FeO}(\text{OH})$

PHOSPHATES

Apatite $\text{Ca}_5(\text{PO}_4)_3(\text{OH}, \text{F}, \text{CL})$

HALIDES

Fluorite CaF_2

Halite NaCl

Sylvite KCl

