Chalcocite (black)

* Cu2S
* Flint, sulfuric acid
* Sulfide

Pyrite (golden)

* FeS2
* Faux gold
* Sulfide

Bauxite

* Aluminum
* Al(OH)3
* (Aluminum) Oxide

Cryolite

* Na3AlF6
* Halide
* Pesticide

Pyrolusite

* MnO2
* Oxide
* Steel production

Cinnabar

* HgS
* Sulfide
* Mercury refinement

Chromite

* FeCr2O4
* Chrome plating
* Oxide

Columbite

* (Fe,Mn) Nb2O6
* Alloys
* Oxide

Alunite

* VAl3(SO4)2(OH)6
* Recover potassium and aluminum
* Hydroxide

Cobalite

* CoAss
* Cobalt extraction
* Sulfide

Sphalerite

* (Zn, Fe) S
* Sulfide
* Zinc