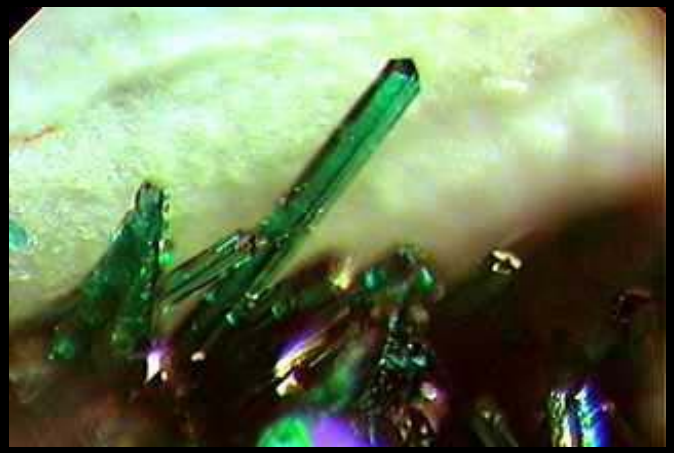
Copper Minerals

Mineral	Chemical composition	Wt % Cu	Density
Chalcopyrite	$CuFeS_2$	34.5	4.5
Bornite	$CuFeS_2$	63.3	5.1
Enargite	Cu_3AsS_4	48.3	4.4
Luzonite	$Cu_3(As,Sb)S_4$	48.1	4.3
Tennantite	$Cu_8As_2S_7$	57.0	4.7
Tetrahedrite	$Cu_8Sb_2S_7$	52.1	4.9
Chalcosite	Cu_2S	79.8	5.9
Covellite	CuS	66.4	4.7
Antlerite	$Cu_3SO_4(OH)_4$	54.0	3.9
Brochantite	$Cu_4SO_4(OH)_6$	56.2	4.0
Atacamite	$CuCl_2 .3Cu(OH)_2$	59.4	3.8
Malachite	$CuCO_3 .Cu(OH)_2$	57.3	4.0
Azurite	$2CuCO_3 . Cu(OH)_2$	55.1	3.8
Chrysocolla	$CuSiO_3.2H_2O$	36.0	2.2
Tenorite	CuO	79.8	6.5
Cuprite	Cu_2O	88.8	6.1
Native copper	Cu	100	8.9

Copper Minerals

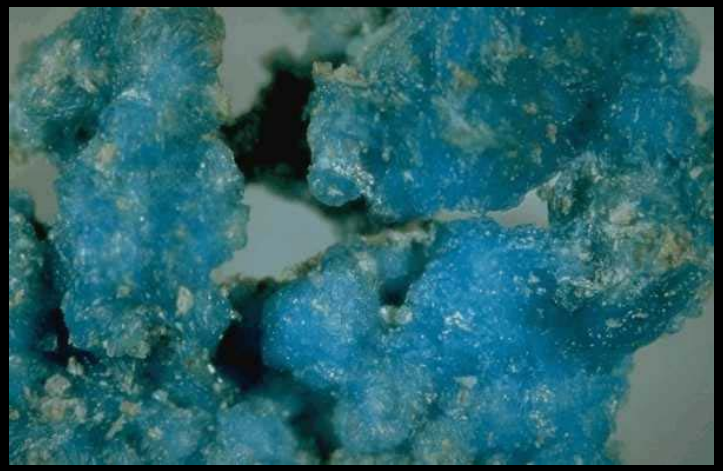


Atacamite

Azurite

Copper minerals

Bornite



Chalcanthite

Chakcocite

Chalcopyrite

Copper Minerals

Chrysocolla

Native

Copper

Copper Minerals

Covellite

Cuban
ite

Cuprite

Copper Minerals

Cyanotichite

Digenite

Dioptase

Copper Minerals

Enargite

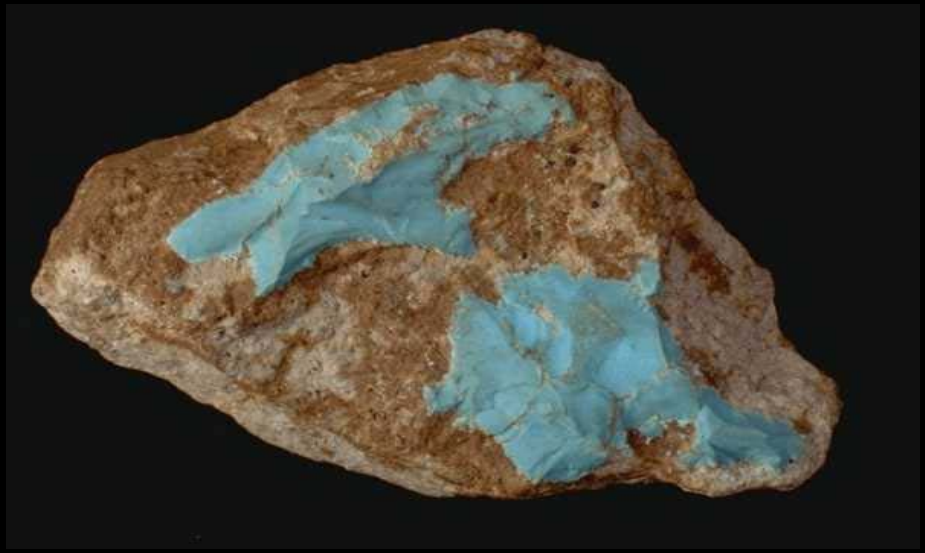
Malachite

Tennantite

Tetrahedrite

Copper Minerals

Turquoise



Torbernites