

NATIVE ELEMENTS

Minerals that are composed of atoms from a single element are referred to as NATIVE ELEMENTS. Not all elements are stable without combining with other elements into chemical compounds or minerals. Most of the stable NATIVE ELEMENTS are metals, but there are others.

You are responsible for 6 NATIVE ELEMENT minerals, two of which are the same element!

Non-metals																	
H																	
Li	Be	B	C	N													
Na	Mg	Al	Si	P													
K	Ca	Sc	T	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Ac															
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tu	Yb	Lu				
Th	Pa	U															

Rare in
elemental
form

Iron Group or
Meterorite
Elements

Platinum Group
Elements:

METALS

Fe	Co	Ni	Cu
Ru	Rh	Pd	Ag
Os	Ir	Pt	Au

Referred to as the
Coinage Metals
Copper, Silver, Gold

Copper - Cu

Color - _____
Crystal Habit - _____
Crystal System - _____
Cleavage - _____
Hardness - _____
Luster/Streak _____ / _____
Use (if any) - _____
Other _____



Gold - Au

Color - _____
Crystal Habit - _____
Crystal System - _____
Cleavage - _____
Hardness - _____
Luster/Streak _____ / _____
Use (if any) - _____
Other _____



Gold on quartz

Silver - Ag

Color - _____
Crystal Habit - _____
Crystal System - _____
Cleavage - _____
Hardness - _____
Luster/Streak _____ / _____
Use (if any) - _____
Other _____

Gold nugget



Silver crystals on calcite

Diamond - C

Color - _____

Crystal Habit - _____

Crystal System - _____

Cleavage - _____

Hardness - _____

Luster/Streak _____ / _____

Use (if any) - _____

Other _____



Rough diamonds



Graphite - C

Color - _____

Crystal Habit - _____

Crystal System - _____

Cleavage - _____

Hardness - _____

Luster/Streak _____ / _____

Use (if any) - _____

Other _____



Sulfur - S

Color - _____

Crystal Habit - _____

Crystal System - _____

Cleavage - _____

Hardness - _____

Luster/Streak _____ / _____

Use (if any) - _____

Other _____



Sulfur with calcite