

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																	He		
Li	Be	B	C	N													O	F	Ne
Na	Mg	Al	Si	P													S	Cl	Ar
K	Ca	Sc	Ti	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	Tm	Yb	Lu
Th	Pa	U											

Rare in elemental form

Iron Group or Meteorite Elements

METALS

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

Platinum Group Elements:

Referred to as the Coinage Metals
Copper, Silver, Gold

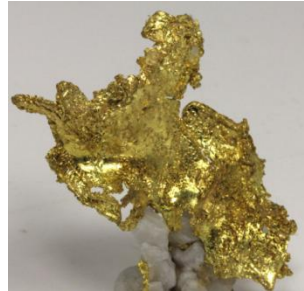
16. Copper - Cu

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



25 Gold - Au

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



Gold on quartz



Gold nugget

50. Silver - Ag

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



Silver crystals on calcite

18. Diamond - C

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



Rough diamonds



26 – Graphite - C

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



54 – Sulfur - S

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



Sulfur with calcite