

# 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**

<b>H</b>																	<b>He</b>		
<b>Li</b>	<b>Be</b>	<b>B</b>	<b>C</b>	<b>N</b>													<b>O</b>	<b>F</b>	<b>Ne</b>
<b>Na</b>	<b>Mg</b>	<b>Al</b>	<b>Si</b>	<b>P</b>													<b>S</b>	<b>Cl</b>	<b>Ar</b>
<b>K</b>	<b>Ca</b>	<b>Sc</b>	<b>Ti</b>	<b>V</b>	<b>Cr</b>	<b>Mn</b>	<b>Fe</b>	<b>Co</b>	<b>Ni</b>	<b>Cu</b>	<b>Zn</b>	<b>Ga</b>	<b>Ge</b>	<b>As</b>	<b>Se</b>	<b>Br</b>	<b>Kr</b>		
<b>Rb</b>	<b>Sr</b>	<b>Y</b>	<b>Zr</b>	<b>Nb</b>	<b>Mo</b>	<b>Tc</b>	<b>Ru</b>	<b>Rh</b>	<b>Pd</b>	<b>Ag</b>	<b>Cd</b>	<b>In</b>	<b>Sn</b>	<b>Sb</b>	<b>Te</b>	<b>I</b>	<b>Xe</b>		
<b>Cs</b>	<b>Ba</b>	<b>La</b>	<b>Hf</b>	<b>Ta</b>	<b>W</b>	<b>Re</b>	<b>Os</b>	<b>Ir</b>	<b>Pt</b>	<b>Au</b>	<b>Hg</b>	<b>Tl</b>	<b>Pb</b>	<b>Bi</b>	<b>Po</b>	<b>At</b>	<b>Rn</b>		
<b>Fr</b>	<b>Ra</b>	<b>Ac</b>																	

<b>Ce</b>	<b>Pr</b>	<b>Nd</b>	<b>Pm</b>	<b>Sm</b>	<b>Eu</b>	<b>Gd</b>	<b>Tb</b>	<b>Dy</b>	<b>Ho</b>	<b>Er</b>	<b>Tm</b>	<b>Yb</b>	<b>Lu</b>
<b>Th</b>	<b>Pa</b>	<b>U</b>											

Rare in elemental form

**METALS**

Iron Group or Meteorite Elements →

<b>Fe</b>	<b>Co</b>	<b>Ni</b>	<b>Cu</b>
<b>Ru</b>	<b>Rh</b>	<b>Pd</b>	<b>Ag</b>
<b>Os</b>	<b>Ir</b>	<b>Pt</b>	<b>Au</b>

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 \_\_\_\_\_

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## 25 Gold - Au

Color - \_\_\_\_\_

Crystal Habit - \_\_\_\_\_

Crystal System - \_\_\_\_\_

Cleavage - \_\_\_\_\_

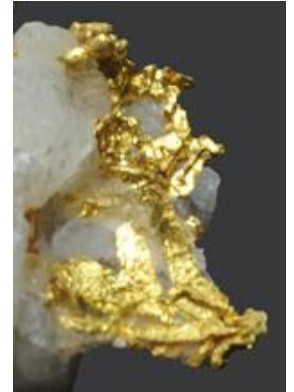
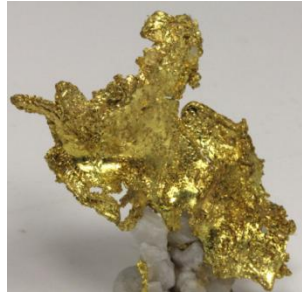
Hardness - \_\_\_\_\_

Luster/Streak \_\_\_\_\_/\_\_\_\_\_

Use (if any) - \_\_\_\_\_

Other \_\_\_\_\_

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Gold on quartz



Gold nugget

## 50. Silver - Ag

Color - \_\_\_\_\_

Crystal Habit - \_\_\_\_\_

Crystal System - \_\_\_\_\_

Cleavage - \_\_\_\_\_

Hardness - \_\_\_\_\_

Luster/Streak \_\_\_\_\_/\_\_\_\_\_

Use (if any) - \_\_\_\_\_

Other \_\_\_\_\_

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Silver crystals on calcite

## 18. Diamond - C

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

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Rough diamonds



## 26 – Graphite - C

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

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## 54 – Sulfur - S

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

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Sulfur with calcite