

Grade 7 Science - Mini Research on an Element

Name: Mr. Romero-Sierra

Name: solo

Date: _____

Each element has specific characteristics or properties. Here is some information about a common element that we all are probably familiar with but may not know a lot about.

Element Name: *Gold*

Symbol: **Au**

Atomic Number: **79**

Periodic Group (non-metals, noble gasses, etc): Metals

Atomic Weight: 179.0

Melting Point: 1064°C

Boiling Point: 2970°C

Properties (Interesting Facts): Gold is a heavy, non-reactive, highly conductive metal. It has a bright luster or shine. It is soft and ductile so and can be easily shaped. A single ounce can be flattened to over 300 square feet. Often mixed with other metals to make it harder for jewelry. It does not react with oxygen or many other substances and therefore does not tarnish and remains bright and yellow. It can be blended (alloy) with other metals to make different colours of gold like white, rose and pink gold.

Common Compounds: Gold is famously non-reactive.. It does create some compounds such as auric chloride and chlorauric acid.

Uses: Gold is used as a monetary standard (to back up currency), as an investment, in jewelry, decoration, dental work, electronics and on space satellites.

Picture:



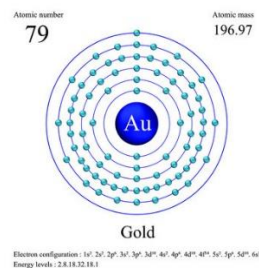
Gold Nugget



Gold Ring



Gold Bar



Atomic Diagram

Video URL: <https://www.rsc.org/periodic-table/element/79/gold#:~:text=Gold%20is%20element%2079%20and,naturally%20is%20isotope%20Au%2D197.>

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Now it is your chance to find out about a particular element from the Periodic Table of the Elements. Follow the directions on the assignment form. Pick an element that you are not VERY familiar with so that you can learn a lot about something new.

Element Name:

Symbol:

Atomic Number:

Periodic Group (non-metals, noble gasses, etc):

Atomic Weight:

Melting Point:

Boiling Point:

Properties (Interesting Facts):

Common Compounds:

Uses:

Pictures and/or Atomic diagram (protons- dark circles, neutrons - hollow circles and electrons- dots) or picture...

Video URL: