**Minerals Webquest**

You will discover some of the properties of a specific mineral.  After choosing a mineral from the list below, begin your search to find the answers to each of the questions from the list.  After you have done all of your research, you will create a digital A3 poster providing your researched information.

**Step 1: Select your mineral**

From the list provided on the link, select a mineral that you will investigate.  You might want to read the short description of a few of the minerals on the list before making your final selection.  
  
<http://weblist.me/what-is-a-mineral-web-quest>

**Step 2: Identifying specific properties of your mineral**

Visit the website below to find out the specific identifying properties of your mineral.  Be sure to include: color, class, streak, hardness, cleavage/fracture, specific density, and any other special properties.  Also include what elements are present in your mineral.  
  
<http://www.galleries.com/Minerals_Index>

**Step 3: Where can your mineral be found?**

List all the places in the world where your mineral is found.

Hint:  Go to [Google](http://www.google.com) and search for your mineral + found  
Example: Quartz + found

**Step 4: How is your mineral mined and processed?**

Again, search on [Google](http://www.google.com) for the common mining and processing techniques used for your mineral.  
  
Hint: search for your mineral + mine + process

**Step 5: What are the potential byproducts of the mining and processing of your mineral?**

Do a [Google](http://www.google.com) search for potential pollutants and byproducts from mining and processing your mineral.  Be sure to include the definition of *tailings* in your report.

**Step 6: What is the current value of your mineral?**

How much is your mineral currently worth?  On the website listed below, look for the current value of your mineral.  Be sure to include the unit applied to the price.  ($/g, $/oz, $/kg, etc.)  
  
<http://minerals.usgs.gov/minerals/pubs/commodity/>

**Step 7: What are the uses of your mineral?**

Minerals can have a variety of uses, including how the mineral is utilized after it is broken down into individual elements.  Make a list of uses of your mineral and include descriptions of what each use entails.  
  
<http://www.rocksandminerals.com/uses.htm>  
  
<http://www.mii.org/commonminerals.html>

**Step 8: Find a picture of your mineral**

Find a good picture of your mineral and include it in your report.  
  
<http://www.mii.org/mineral_photosAlphabetic.htm>

**Step 9: An interesting fact**

You will most likely find an interesting or amusing tidbit about your mineral during your search.  If you are still looking for more, try to Google[: your mineral + fun fact](http://www.google.com)

**Step 10: Create your poster**

Your poster should be in digital form and A3 size.

* Title (name of your mineral)
* Picture of your mineral
* Properties
* Where in the World
* Mining and Processing Procedures
* Byproducts and Pollution
* Current Value
* Uses
* Interesting Fact

**This poster is due by the end of the class on Wednesday, 12 February 2014.**