**WebQuest: The Periodic Table and its Many Elements**

For this webquest you are required to visit the websites listed below to find answers to the provided questions. You**must complete question in complete sentences**.

**Step 1: Go to** [**http://library.thinkquest.org/3659/pertable/**](http://library.thinkquest.org/3659/pertable/)

Use the above address to answer question 1-4.

1. The modern periodic table was created by who, in what year?
2. The elements in Mendeleev’s table were arranged how?

At the bottom of this page click on the non-metals link

1. What is the most observed non metallic element?
2. What properties do non-metals have? (list 3)

**Step 2: Go to** [**http://www.chemicool.com/**](http://www.chemicool.com/)

1. Fill in the following Table using the information provided at the above website.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Element Symbol** | H | He | Au | Pb |
| **Full name** |  |  |  |  |
| **Atomic number** |  |  |  |  |
| **Atomic Mass** |  |  |  |  |
| **Physical State (solid, liquid, gas)** |  |  |  |  |
| **What Group does it belong to?** |  |  |  |  |
| **What Period does it belong to?** |  |  |  |  |

**Step 3: Go to** [**http://hyperphysics.phy-astr.gsu.edu/hbase/pertab/metal.html**](http://hyperphysics.phy-astr.gsu.edu/hbase/pertab/metal.html)

Use the above address to answer question 6-8.

1. List 4 properties of metals
2. Explain the terms malleable and ductile, are these terms related?
3. Where are the metals and non-metals located on the periodic table?

**Step 4: Go to** [**http://www.nyu.edu/pages/mathmol/textbook/compounds.html**](http://www.nyu.edu/pages/mathmol/textbook/compounds.html)

Use the above address to answer question 9-12.

1. What are elements?
2. Salt is made up of elements of what two things?
3. The smallest particles of matter are called what?
4. What are compounds?