

WebQuest: The Periodic Table

In helping you understand the periodic table and what information it provides, please go to the following websites:

1. www.chemicalelements.com
2. <http://www.ptable.com/>
3. <http://www.webelements.com/>
4. <http://periodic.lanl.gov/default.htm>

Each of these websites shows the periodic table and information about atomic mass, atomic number, and isotopes in slightly different formats. After reviewing the information on elements and the periodic table, answer the questions below.

1. How is the periodic table arranged? What is a group? What is a period?

2. What does the atomic number mean?

3. How is the atomic mass calculated?

4. Choose an element and determine how many electrons, protons, and neutrons it has using the atomic number and the atomic mass.

5. What are isotopes? Can you give an example?