Periodic Questions

1. Why was Mendeleev's periodic table useful?

2. How is Moseley's basis for arranging the elements different from Mendeleev's?

3. How is the periodic table like a calendar?

4. Describe the location of metals, metalloids, and non metals on the periodic table.

5. When an element with 115 protons is synthesized, will it be a metal, nonmetal or a metalloid? Explain how you will know.

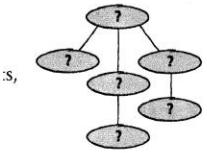
6. Your classmate offers to give you a piece of pure sodium they found on the ground. What will be your response? Why?

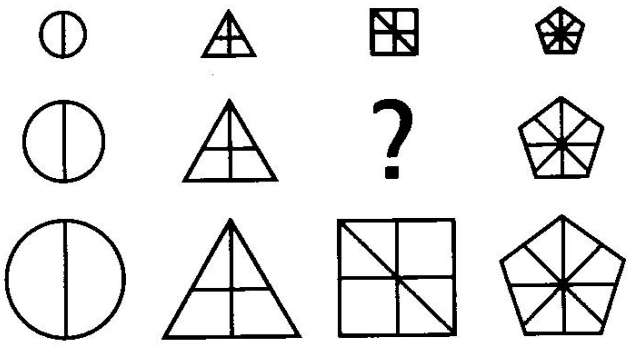
7. Determine the identity of each element described below?
   a. This metal is very reactive it has properties similar to magnesium and is in the same period as bromine.

   b. This nonmetal is in the same group as lead.

   c. This metal is the most reactive metal in its period, each atom contains 19 protons.

8. Use the following to create a concept map; periodic table, elements, groups, periods, metals, nonmetals, metalloids.





9. Study the diagram shown to determine the pattern of the images. Predict the missing image and draw it. Identify which properties are periodic and which properties are shared within a group.