1. What sentence about the periodic table of elements is true?
   a. all elements in group 18 are metals
   b. all elements in group 15 are non-metals
   c. metals are found along the ‘staircase’ of the table
   d. metals are found on the left side of the table

2. What element is most likely to have chemical properties that are similar to Li (lithium)?
   a. K (potassium)
   b. Mg (magnesium)
   c. Cl (chlorine)
   d. Be (beryllium)

3. Which of these elements is classified as a metal?
   a. Br (bromine)
   b. He (helium)
   c. S (sulfur)
   d. Li (lithium)

4. What is the most important factor that determines where an element is placed in the periodic table, and defines an element?
   a. number of protons
   b. number of neutrons
   c. atomic property
   d. atomic density

5. The diagram below show the position of different elements on the periodic table. Which picture has 3 elements marked (with X marks) that are likely to have similar chemical properties?

   A. [Diagram A]
   B. [Diagram B]
   C. [Diagram C]
   D. [Diagram D]

6. Which of the following is a member of the Halogen group?
   a. Ar (argon)
   b. Br (bromine)
   c. Li (lithium)
   d. He (helium)

7. Find group 11 containing Cu, Ag & Au. What statement is an accurate comparison of the atomic number of Cu (copper) and Au (gold)?
   a. Au has a smaller atomic number than Cu
   b. Ac and Cu have equal atomic numbers because they are in the same group.
   c. Cu has a smaller atomic number than Au
   d. Cu has more protons in the nucleus than Au

8. Which element is likely to be the most reactive?
   Br (bromine)  Fe (iron)  Ar (argon)  C (carbon)

   Groups 1 and 17 are the most reactive groups.