

### Periodic Table TEST!

1. Which of the following describes a column on the periodic table?  
a. family      b. series      c. period      d. b and c

Answer: A      vertical columns are called families or groups.

2. Which of the following describes a horizontal row on the periodic table?  
a. family      b. series      c. period      d. b and c

Answer: D. Horizontal rows are called series or periods

3. Which of the following shows an increase in atomic size as atomic number increases?  
a. family      b. series      c. period      d. b and c

Answer: A      Atoms get bigger as you move down the family.

4. Which of the following shows a decrease in atomic size as atomic number increases?  
a. family      b. series      c. period      d. b and c

Answer: D      Size gets smaller as you move to the right.

5. Which of the following is larger?  
a. Na      b. Mg      c. Al      d. P

Answer: A      All of these elements are in the same series. Sodium is farthest to the left and is the largest.

6. Which of the following is most nonmetallic?  
a. Na      b. Mg      c. Al      d. P

Answer: D      Phosphorus is farthest to the right and is the smallest. Smaller atoms are more likely to gain electrons and thus are more non metallic.

7. Which of the following has two electrons in its outer shell?  
a. Na      b. Mg      c. Al      d. P

Answer: B      Magnesium is in the second family (alkaline earth). Alkaline earth metals have two electrons in their outer shell.