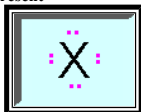


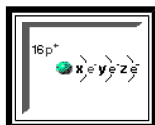
## Assignment 11

Choose/Fill-in the correct answer.

1. The Lewis structure, as shown below, represent



- He.  
 P.  
 Xe.  
 Cs.
2. The following is the Bohr Diagram of an element in its ground state. What is x, y, and z?



- x = 2, y = 7, z = 7  
 x = 2, y = 8, z = 18  
 x = 2, y = 6, z = 8  
 x = 2, y = 8, z = 6
3. If an element "Z" forms a compound with the formula BaZ, which of the following is a correct chemical formula?
- CaZ<sub>2</sub>  
 Al<sub>3</sub>Z<sub>3</sub>  
 H<sub>2</sub>Z  
 NaZ<sub>3</sub>
4. The correct chemical formula for potassium carbonate is:
- K<sub>2</sub>CO<sub>3</sub>  
 KCO<sub>2</sub>  
 K<sub>3</sub>(CO<sub>3</sub>)<sub>2</sub>  
 K<sub>2</sub>CO<sub>2</sub>

5. Which of the following statement is true about the compound NaBr.

- NaBr has polar covalent bonding.  
 In water, NaBr is a good electrolyte.  
 NaBr is a nonpolar molecule.  
 NaBr does not exist.

6. Write the name of the compound PBr<sub>3</sub>

- phosphorus bromide  
 phosphorus tribromide  
 phosphorus (V) bromide  
 phosphorus (V) tribromide

7. The correct formula for carbonic acid is

- H<sub>3</sub>PO<sub>4</sub>  
 HCO<sub>3</sub>  
 H<sub>2</sub>CO<sub>2</sub>  
 H<sub>2</sub>CO<sub>3</sub>

8. Write the name of the compound SF<sub>6</sub>.

- sulfur fluoride  
 sulfur heptafluoride  
 sulfur (VI) fluoride  
 sulfur hexafluoride

9. Determine the oxidation number of carbon in CH<sub>4</sub>.

- 4  
 0  
 +2  
 +4

10. Determine the oxidation number of bromine in BrO<sub>3</sub><sup>-</sup>.

- 1  
 +3  
 +4  
 +5

Send to obtain your score

