

## Name that Element

- 1) I am in group 16 row 3. What element am I? \_\_\_\_\_
- 2) I have an oxidation number of +2 and I am in row 6. I am \_\_\_\_\_.
- 3) I have 7 valence electrons and am a liquid at room temperature.  
I am \_\_\_\_\_.
- 4) I have the smallest atomic radius of any element on the periodic table.  
Who am I? \_\_\_\_\_.
- 5) My atomic number is 26. Who am I? \_\_\_\_\_
- 6) I am the first element in the f-block subshell. Who am I? \_\_\_\_\_.
- 7) I am a metal with 3 valence electrons and 4 electron shells.  
Who am I? \_\_\_\_\_.
- 8) I have the largest atomic radius of any element on the periodic table.  
Who am I? \_\_\_\_\_.
- 9) I have a full valence shell and have the largest atomic radius in my group.  
Who am I? \_\_\_\_\_.
- 10) I am the 7<sup>th</sup> element in the actinide series. Who am I? \_\_\_\_\_.

1) Potassium

atomic number \_\_\_\_\_  
atomic mass \_\_\_\_\_  
valence electrons \_\_\_\_\_  
oxidation number \_\_\_\_\_  
# of electron shells \_\_\_\_\_  
electron subshell \_\_\_\_\_  
name of group \_\_\_\_\_

3) Magnesium

atomic number \_\_\_\_\_  
atomic mass \_\_\_\_\_  
valence electrons \_\_\_\_\_  
oxidation number \_\_\_\_\_  
# of electron shells \_\_\_\_\_  
electron subshell \_\_\_\_\_  
name of group \_\_\_\_\_

5) Oxygen

atomic number \_\_\_\_\_  
atomic mass \_\_\_\_\_  
valence electrons \_\_\_\_\_  
oxidation number \_\_\_\_\_  
# of electron shells \_\_\_\_\_  
electron subshell \_\_\_\_\_

2) Iodine

atomic number \_\_\_\_\_  
atomic mass \_\_\_\_\_  
valence electrons \_\_\_\_\_  
oxidation number \_\_\_\_\_  
# of electron shells \_\_\_\_\_  
electron subshell \_\_\_\_\_  
name of group \_\_\_\_\_

4) Krypton

atomic number \_\_\_\_\_  
atomic mass \_\_\_\_\_  
valence electrons \_\_\_\_\_  
oxidation number \_\_\_\_\_  
# of electron shells \_\_\_\_\_  
electron subshell \_\_\_\_\_  
name of group \_\_\_\_\_

6) Phosphorus

atomic number \_\_\_\_\_  
atomic mass \_\_\_\_\_  
valence electrons \_\_\_\_\_  
oxidation number \_\_\_\_\_  
# of electron shells \_\_\_\_\_  
electron subshell \_\_\_\_\_