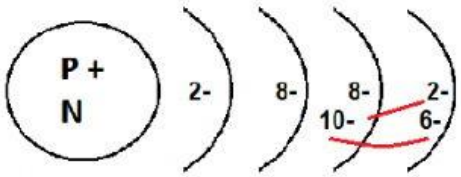
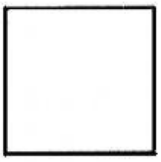
Electron Pattern 

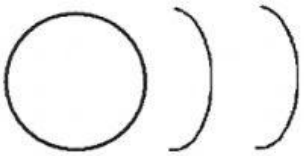
3. Repeat the process for the next three elements.

A. Oxygen

Protons _____ **Neutrons** _____ **Electrons** _____



Bohr Model



Dot Diagram

1 2
8 O 3
7 4
6 5

1 ● 2 ●
3 ● 4 ●
5 ● 6 ●
7 ● 8 ●

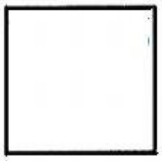
Family ____ *Period* ___

View a periodic Table

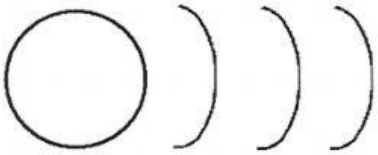
Check the dot diagram

B. Sulfur

Protons _____ **Neutrons** _____ **Electrons** _____



Bohr Model



Dot Diagram

1 2
8 S 3
7 4
6 5

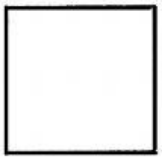
1 ● 2 ●
3 ● 4 ●
5 ● 6 ●
7 ● 8 ●

Family ____ *Period* ___

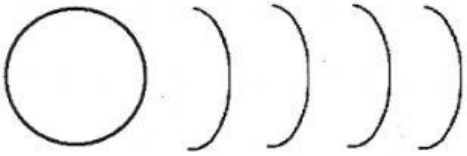
Check the dot diagram

C. Selenium

Protons _____ **Neutrons** _____ **Electrons** _____



Bohr Model



Dot Diagram

1 2
8 Se 3
7 4
6 5

1 ● 2 ●
3 ● 4 ●
5 ● 6 ●
7 ● 8 ●

Family ____ *Period* ___

Check the dot diagram

1. What do the models of these three elements have in common?_____

2. What pattern in location can you find in the periodic table?_____

_____

3. What is the name of the electron located on the outside energy level? _____

4. What does the pattern and the number of valence electron have in common?_____

_____