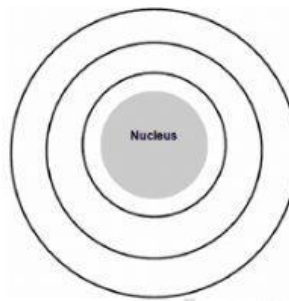
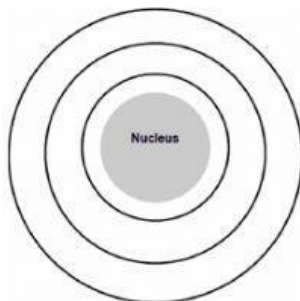


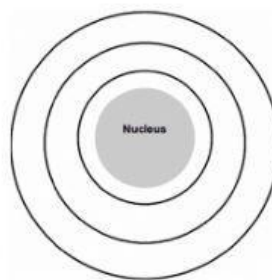
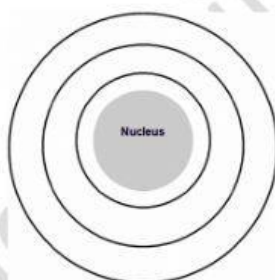


### Ions 101 Video Review

1. What are ions? \_\_\_\_\_
2. Fill out the following Bohr models for Sodium and Chlorine from the video.



3. What makes an atom have a neutral charge? \_\_\_\_\_
4. What types of elements make an ionic bond? \_\_\_\_\_
5. What do elements do with valence electrons in an ionic bond? \_\_\_\_\_
6. What does sodium do with its valence electron? \_\_\_\_\_  
Why does sodium do this? \_\_\_\_\_  
What is sodium's oxidation #/charge now? Explain why. \_\_\_\_\_
7. What is chlorine's oxidation #/charge now? Explain why. \_\_\_\_\_
8. Make an ionic bond with Beryllium Oxide and label the resulting charge of each.



Find the ionic charge of each

#### **Ionic Charge:**

8p, 9n, 8e = \_\_\_\_\_ 7p, 7n, 8e = \_\_\_\_\_ 3p, 4n, 1e = \_\_\_\_\_ 10p, 12n, 14e = \_\_\_\_\_

\*Bonus – Why don't you need the number of neutrons when finding the ionic number? \_\_\_\_\_