Honors Chemistry Hour\_\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Dr. Wexler
Practice: Bohr Models - effect of gaining or losing electrons
Date:

1. What is the net charge on a neutral atom of potassium?

2. What is the charge of the nucleus of a potassium atom?

3. How many electrons does a neutral potassium atom have?

4. If potassium loses 1 electron, what will be its charge? Will it be a cation (positive) or an anion (negative)?

5. Draw a Bohr model for the neutral atom of potassium:

6. Draw a Bohr model for the ion of potassium in which one electron has been lost.

7. Draw a Bohr model for the neutral atom of Argon. Describe how this model is similar and different to the model of the potassium ion (question 6 above).

8. Draw a Bohr model for the neutral atom of Calcium.

9. Draw a Bohr model for the ion of Calcium in which two electrons have been lost.

10. Describe how this model is similar and different to the model of the Argon atom (Question 7 above)