

Name: \_\_\_\_\_ Per \_\_\_\_\_

## Bohr Models Part 2

### Practice Sheet # 8

**Directions:** Using your other Bohr models practice sheet, determine the number of electrons that must be lost or gained in order to form a stable ion for each element. Then draw the Bohr diagram for the ION of these elements. Write the symbol and charge for each ION formed, and also write the noble gas that the ion most closely resembles.

1         Noble Gas_____								2
3         Noble Gas_____	4         Noble Gas_____	5         Noble Gas_____	6         Noble Gas_____	7         Noble Gas_____	8         Noble Gas_____	9         Noble Gas_____	10         Noble Gas_____	
11         Noble Gas_____	12         Noble Gas_____	13         Noble Gas_____	14         Noble Gas_____	15         Noble Gas_____	16         Noble Gas_____	17         Noble Gas_____	18         Noble Gas_____	

1. What is an ion? \_\_\_\_\_.
2. How is an ion formed? \_\_\_\_\_.
3. What is a cation? \_\_\_\_\_ What is an anion? \_\_\_\_\_
4. What are valence electrons? \_\_\_\_\_
5. What patterns do you notice in the above periodic table? \_\_\_\_\_

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