

Name: \_\_\_\_\_ Date \_\_\_\_\_

## **Ionic & Covalent Bonding - Smart Board Notes**

Categorize the elements as either Metals or Non-Metals:

| <b>Metals</b>       | <b>Non-Metals</b>   |
|---------------------|---|
| Give electrons away | Take electrons from metals or share with other non-metals |

Record your notes below:

| <b>Ionic Bonds</b> | <b>Covalent Bonds</b> |
|--------------------|-----------------------|
|                    |                       |

Ionic Bonds:

Draw the Lewis Structure for each element in the box on the left. In the box on the right, show how they bond.

| Before Bonding | After Bonding |
|----------------|---------------|
|                |               |
|                |               |
|                |               |

Covalent Bonds:

Draw the Lewis Structure for each element in the box on the left. In the box on the right, show how they bond.

| Before Bonding | After Bonding |
|----------------|---------------|
|                |               |
|                |               |
|                |               |