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

**Making Ionic Compounds WS**

**Notes:**

1. An **ionic bond** is an attraction of a *cation* for an *anion* resulting from the transfer of electrons. Remember, the smaller nonmetals are more electronegative and pull the electrons close, away from the larger, less electronegative metals.
2. When naming ionic compounds, the Metal is named first, followed by the nonmetal with an –ide ending. *Ex. Sodium Fluorine becomes Sodium Fluoride.*
3. **Formula Unit:** Lowest whole number ratio of elements in the compound. Ex. Ca3N2

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| --- | --- |
| 1. Using dot diagrams, show the transfer of  electrons for Mg & Cl  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: | 2. Using dot diagrams, show the transfer of  electrons for Mg & S  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: |
| 3. Using dot diagrams, show the transfer of  electrons for K & F.  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: | 4. Using dot diagrams, show the transfer of  electrons for K & O.  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: |
| 5. Using dot diagrams, show the transfer of  electrons for Be & N  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: | 6. Using dot diagrams, show the transfer of  electrons for Ca & P  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: |
| 7. Using dot diagrams, show the transfer of  electrons for Al & F  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: | 8. Using dot diagrams, show the transfer of  electrons for Ca & I  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: |
| 9. Using dot diagrams, show the transfer of  electrons for Rb & O  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: | 10. Using dot diagrams, show the transfer of  electrons for Sr & F  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: |
| 11. Using dot diagrams, show the transfer of  electrons for Al & Cl  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: | 12. Using dot diagrams, show the transfer of  electrons for Mg & P  Draw the Lewis Structure for the resulting cmpd  Formula Unit: \_\_\_\_\_\_\_\_\_  Name of Compound: |