

Name: _____

Period: _____

HW3:7 Ionic Compounds
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Assigned: Tues., 10/24 and Wed., 10/25
Due: Thurs., 10/26 and Fri., 10/27

- How many electrons were gained or lost?
 - Na^{1+} _____
 - O^{2-} _____
 - Ca_3^{2+} _____
 - Al_2^{3+} _____
 - F_4^{1-} _____
 - What is the net charge (total charge) for these:
 - $\text{Na}^{1+}\text{O}^{2-}$ _____
 - $\text{Mg}^{2+}\text{O}^{2-}$ _____
 - $\text{Ca}^{2+}\text{F}^{1-}$ _____
 - $\text{Al}^{3+}\text{S}^{2-}$ _____
 - Use electron arrows to show Magnesium and Bromine combining.
 - Using Lewis Dot Diagrams to show Sodium and Sulfur combining.
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- When an ionic compound is balanced:
 - what is the total charge of the compound?
 - are there more electrons given or taken?
 - Write the balanced ionic compounds for the following:
 Mg^{2+} and O^{2-} : _____ Al^{3+} and I^{1-} : _____
 K^{1+} and S^{2-} : _____ Al^{3+} and O^{2-} : _____
 - Write the balanced ionic formulas for the following:
K and F : _____ Al and N : _____
Ca and Cl : _____ Na and P : _____
 - In what part of the cell is energy produced?
 - Using your kingdom chart again, what is the cell wall of fungi made of?
 - Where is DNA stored in the cell?
 - Where does RNA go to in order for the cell to have the proper genetic code to make proteins?