**Bonding Types, Names, and Formulas Research Assignment**

Using the Internet and/or your Physical Science textbook, work with a partner to answer the following questions IN DETAIL! Then, create a review activity for the class to complete (this could be a Kahoot, a crossword puzzle, a quiz, etc).

Bond Types:

**Ionic**

1. How are these bonds formed?

2. How are ions formed (from metals and nonmetals)? Give examples.

3. How do valence electrons relate to oxidation numbers?

4. How do you write formulas for ionic compounds? Give examples.

5. How do you write names for ionic compounds? Include discussion of transition metals and polyatomic ions. Give examples?

6. What is a binary compound? Give examples.

**Covalent**

1. How are these bonds formed?

2. How do you write formulas for covalent compounds? Give examples.

3. What are the prefixes used when naming covalent compounds?

4. How do you write names for covalent compounds?

5. What are covalent compounds also called?

**Metallic**

1. How are these bonds formed?

2. Give examples of metallic bonds and their uses.