**Name: Period: Seat#:**

**Worksheet #3**

**BOND WITH A CLASSMATE!**

1. Get an ion and figure out if it is a cation or anion
2. Go around the classroom and find other ions to bond with. Remember, we are making ionic bond so each bond should have ONE cation and ONE anion.
3. Write down the symbol and charge for each bonding cation and anion in the appropriate column.
4. With your partner figure out what the compound is that is formed between the two. Remember to pay attention to oxidation numbers so that there is a neutral charge overall.
5. With your partner write down the name of the compound you formed.
6. You will be told when to rotate and when to switch ion cards

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| **Cation** | **Anion** | **Compound** | **Name** |
| Ca+2 | N3- | Ca3N2 | Calcium nitride |
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| **Cation** | **Anion** | **Compound** | **Name** |
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