**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_**

**Bonding Basics with Cereal**

For the Following elements, Give me the number of valence electrons and draw the Lewis Dot Structure.

|  |  |  |
| --- | --- | --- |
| Element | # Valence Electrons | Lewis Dot Structure |
| Hydrogen |  |  |
| Oxygen |  |  |
| Chlorine |  |  |
| Carbon |  |  |

**Complete the covalent bond:**

1. For the following element, write the symbol for each element on the white board
2. Use the cereal to create the Lewis dot structure
3. Rearrange the electrons (cereal pieces) to pair up the electrons from each atom
4. On the White board draw circles to show the sharing of electrons.
5. On your paper, using a color pencil, draw what you have on your white board, then draw the bond structure using symbols and lines. Use one line for each pair of electron that is shared.
6. On your paper, write the chemical formula for each molecule.

**Do the above for the following covalent bonds.**

1. Hydrogen + Hydrogen
2. Hydrogen + Oxygen
3. Chlorine + Chlorine
4. Oxygen + Oxygen
5. Carbon + Oxygen
6. Carbon + Hydrogen