**Bonding Breakout - Naming Challenge**

The following are questions Naming Challenge Google Form

# **Name to Formula:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **Aluminum Chloride** | AlCl3 | Al3Cl | AlCl |
| **2** | **Iron (II) Chloride** | FeCl2 | Fe2Cl2 | FeCl |
| **3** | **Carbon Tetrachloride** | CCl4 | CCl | C4Cl |
| **4** | **Barium Hydroxide** | Ba(OH)2 | BaOH2 | Ba2OH |
| **5** | **Lead (IV) Sulfate** | Pb(SO4)2 | Pb4(SO4)2 | PbSO4 |

# **Formula to Name:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **6** | **LiF** | Lithium Fluoride | Lithium (I) Fluoride | Lithium Monofluoride |
| **7** | **Co2O3** | Cobalt (III) Oxide | Cobalt (II) Oxide | Dicobalt Trioxide |
| **8** | **ClO2** | Chlorine Dioxide | Chlorine Oxide | Monochlorine Dioxide |
| **9** | **Al(CN)3** | Aluminum Cyanide | Aluminum (III) Cyanide | Aluminum Carbon Nitride |
| **10** | **Cr(OH)3** | Chromium (III) Hydroxide | Chromium Hydroxide | Chromium Oxygen Hydride |

# **When correct, this is the confirmation message:**

“Can you feel the **MERCURY** rising? It's time to **IRON** out all of the kinks and keep working persistently through thick and **TIN**. Set the example and others will follow your **LEAD**!”