Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

**Chemistry Reaction Tournament**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **First Round** | **Second Round** | **Semifinals** | **Finals** | **Winner** |
|  |  |  |  |  |
|  |  |  |  |  |
| Co (II) |  |  |  |  |
|  |  |  |  |  |
| Cl |  |  |  |  |
|  |  |  |  |  |
| Fe (II) |  |  |  |  |
|  |  |  |  |  |
| S |  |  |  |  |
|  |  |  |  |  |
| Zn |  |  |  |  |
|  |  |  |  |  |
| CO3 |  |  |  |  |
|  |  |  |  |  |
| NH4 |  |  |  |  |
|  |  |  |  |  |
| SO3 |  |  |  |  |
|  |  |  |  |  |
| Mg |  |  |  |  |
|  |  |  |  |  |
| PO4 |  |  |  |  |
|  |  |  |  |  |
| Ag |  |  |  |  |
|  |  |  |  |  |
| F |  |  |  |  |
|  |  |  |  |  |
| Ba |  |  |  |  |
|  |  |  |  |  |
| NO3 |  |  |  |  |
|  |  |  |  |  |
| Al |  |  |  |  |
|  |  |  |  |  |
| OH |  |  |  |  |

**The Rules:**

**First Round: Write ionic charges on each ion.**

**Second Round: Write the formula of the compound formed from the 1st Round pair.**

**Semifinals: The *soluble* compound from the 2nd Round advances.**

**Finals: Write a DD reaction between the semifinal compounds. The *soluble* product advances.**

**Winner: Write a DD reaction between the final compounds. The *insoluble* product WINS!!**