|  |  |  |
| --- | --- | --- |
| *Naming Ions.*CλeMis+ry: http://genest.weebly.com Stop in for help every day at lunch and Tues &Thurs after school! |  | Name\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_\_\_\_\_ |

***The next two questions are about this JJ Thomson apparatus shown below:***



1. What did JJ Thomson conclude was shooting in a line from left to right in this drawing?
	1. positive electrons
	2. negative electrons
2. In this cathode ray tube, line is bending up. Based on the direction the electrons are bending, Which to you think is correct,
3. D is positive and E is negative
4. D is negative and E is positive
5. Both D and E are negative
6. Both D and E are positive.

**Finish the name by writing in the appropriate Roman Numeral**

|  |  |
| --- | --- |
| 1. CrO3 Chromium (\_\_\_\_\_\_) oxide
2. CrO Chromium (\_\_\_\_\_) oxide
 | 1. PtO3 Platinum (\_\_\_\_\_) oxide
2. PdO2 Palladium (\_\_\_\_\_) oxide
 |

**Next to each write either Ionic Compound or Molecular Compound**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CO2
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NaOH
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CaBr2
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ H2CO3

|  |  |
| --- | --- |
| Formula | Metal present? |
| Is the cation a mystery\*\* charge? | write the name. IF it has a mystery element, you must put a Roman numeral in the name |
| 1. MnF5
 | (yes/no) |  |  |
| 1. V2O3
 | (yes/no) |  |  |
| 1. MgS
 | (yes/no) |  |  |
| 1. UF3
 | (yes/no) |  |  |

\*\* Mystery elements have variable charges. For example, Fe can be Fe2+ or Fe3+, so it is a ‘mystery element’

**For the pairs of elements below, write the formula of the compound that would form when those two elements combine and write the name of the compound. ALSO WRITE THE NAME OF THE COMPOUND**

1. **Sodium and sulfur**
2. **Magnesium and fluorine**
3. **Beryllium and oxygen**

1. **CrO3 Chromium (\_\_\_\_\_\_) oxide**
2. **CrBr3 Chromium (\_\_\_\_\_) bromide**
3. **PtF4 Platinum (\_\_\_\_\_) fluoride**
4. **Pd3N2 Palladium (\_\_\_\_\_) nitride**