

Name: \_\_\_\_\_

**Compound Speed Dating (aka Chem 11 Nomenclature exercise/icebreaker)**

Ion Name \_\_\_\_\_ Ion Symbol &amp; Charge \_\_\_\_\_

**Dance Card**

	Person's Name	Ion Symbol & Charge	Compound Name	Compound Formula
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

**Nomenclature Practice Problems**

1. Name the following compounds:

- |                      |                                  |
|----------------------|----------------------------------|
| a. NaBr              | g. NO                            |
| b. BaBr <sub>2</sub> | h. NO <sub>2</sub>               |
| c. RbCl              | i. N <sub>2</sub> O <sub>4</sub> |
| d. CsCl              | j. NF <sub>3</sub>               |
| e. AlF <sub>3</sub>  | k. N <sub>2</sub> F <sub>4</sub> |
| f. HBr               | l. FeSO <sub>4</sub>             |

2. Write formulas for the following compounds:

- |                               |                            |
|-------------------------------|----------------------------|
| a. sulfur dioxide             | f. chromium(III) carbonate |
| b. sulfur trioxide            | g. copper(II) acetate      |
| c. sodium hydrogen phosphate  | h. tin(IV) fluoride        |
| d. potassium hydrogen sulfate | i. ammonium sulfate        |
| e. lithium nitride            | j. sodium hydride          |

3. Predict the formula and the name of the binary compound of the following pairs of elements:

- Be and F
- Na and S
- Li and P
- Al and N
- Cs and I
- Al and Se
- Pb(II) and S
- Ti(IV) and O

