

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

Band: \_\_\_\_\_

HW 5.2

Chemistry

**Record all answers on the answer sheet.**

*These ions need to be placed on your polyatomic ion chart:*

CN<sup>-</sup> is cyanide

*These ions need to be placed on your table that lists common charges of metal ions:*

Ag<sup>+</sup> is Silver (I)

1.) Name the following salts.

- |    |                   |    |                                   |    |                     |
|----|-------------------|----|-----------------------------------|----|---------------------|
| a. | Na <sub>3</sub> P | d. | MgO                               | g. | CaH <sub>2</sub>    |
| b. | CsF               | e. | Li <sub>2</sub> S                 | h. | KCN                 |
| c. | CaBr <sub>2</sub> | f. | (NH <sub>4</sub> ) <sub>2</sub> S | i. | Sr(OH) <sub>2</sub> |

2.)

- |    |                                |    |                                |    |                   |
|----|--------------------------------|----|--------------------------------|----|-------------------|
| a. | CrS                            | b. | CS <sub>2</sub>                | g. | CCl <sub>4</sub>  |
| b. | Fe <sub>2</sub> O <sub>3</sub> | e. | Cl <sub>2</sub> O <sub>7</sub> | h. | FeI <sub>3</sub>  |
| c. | CrI <sub>3</sub>               | f. | N <sub>2</sub> O <sub>5</sub>  | i. | CuBr <sub>2</sub> |

3.)

- |    |                 |    |                  |    |                               |
|----|-----------------|----|------------------|----|-------------------------------|
| a. | SO <sub>2</sub> | b. | BrF <sub>5</sub> | g. | N <sub>2</sub> O <sub>5</sub> |
| b. | SO <sub>3</sub> | e. | PCl <sub>3</sub> | h. | N <sub>2</sub> S <sub>4</sub> |
| c. | IF <sub>3</sub> | f. | SF <sub>6</sub>  | i. | ClF <sub>3</sub>              |

4.) Write Formula names for the following compounds.

- |    |                       |    |                      |
|----|-----------------------|----|----------------------|
| a. | ferrous sulfide       | k. | cadmium iodide       |
| b. | cupric hydroxide      | l. | titanium (IV) oxide  |
| c. | mercury (II) chloride | m. | silver (I) cyanide   |
| d. | cadmium sulfide       | n. | chromium (III) oxide |
| e. | aluminum sulfide      | o. | vanadium (V) oxide   |
| f. | copper (I) chloride   | p. | calcium hydride      |
| g. | ammonium cyanide      | q. | ferric oxide         |

5.) Write formulas for the following compounds.

- |    |                         |    |                    |
|----|-------------------------|----|--------------------|
| a. | carbon monoxide         | j. | mercuric oxide     |
| b. | carbon dioxide          | k. | cuprous cyanide    |
| c. | mercury (I) chloride    | l. | sulfur trioxide    |
| d. | zinc selenide           | m. | diiodine pentoxide |
| e. | dinitrogen monoxide     | n. | iodine trichloride |
| f. | phosphorous trichloride |    |                    |

**HW 5.2 Answer Sheet.**

**Name** \_\_\_\_\_ **Band** \_\_\_\_\_

- 1a. \_\_\_\_\_
- 1b. \_\_\_\_\_
- 1c. \_\_\_\_\_
- 1d. \_\_\_\_\_
- 1e. \_\_\_\_\_
- 1f. \_\_\_\_\_
- 1g. \_\_\_\_\_
- 1h. \_\_\_\_\_
- 1i. \_\_\_\_\_
  
- 2a. \_\_\_\_\_
- 2b. \_\_\_\_\_
- 2c. \_\_\_\_\_
- 2d. \_\_\_\_\_
- 2e. \_\_\_\_\_
- 2f. \_\_\_\_\_
- 2g. \_\_\_\_\_
- 2h. \_\_\_\_\_
- 2i. \_\_\_\_\_
  
- 3a. \_\_\_\_\_
- 3b. \_\_\_\_\_
- 3c. \_\_\_\_\_
- 3d. \_\_\_\_\_
- 3e. \_\_\_\_\_
- 3f. \_\_\_\_\_
- 3g. \_\_\_\_\_
- 3h. \_\_\_\_\_
- 3i. \_\_\_\_\_

- 4a. \_\_\_\_\_
- 4b. \_\_\_\_\_
- 4c. \_\_\_\_\_
- 4d. \_\_\_\_\_
- 4e. \_\_\_\_\_
- 4f. \_\_\_\_\_
- 4g. \_\_\_\_\_
- 4k. \_\_\_\_\_
- 4l. \_\_\_\_\_
- 4m. \_\_\_\_\_
- 4n. \_\_\_\_\_
- 4o. \_\_\_\_\_
- 4p. \_\_\_\_\_
- 4q. \_\_\_\_\_
  
- 5a. \_\_\_\_\_
- 5b. \_\_\_\_\_
- 5c. \_\_\_\_\_
- 5d. \_\_\_\_\_
- 5e. \_\_\_\_\_
- 5f. \_\_\_\_\_
- 5j. \_\_\_\_\_
- 5k. \_\_\_\_\_
- 5l. \_\_\_\_\_
- 5m. \_\_\_\_\_
- 5n. \_\_\_\_\_