

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

1. Complete the names of the following ions.

$Ba^{2+}$	$Al^{3+}$	$K^+$	$N^{3-}$	$O^{2-}$
_____	_____	_____	_____	_____
$F^-$	$P^{3-}$	$S^{2-}$	$Cl^-$	$Na^+$
_____	_____	_____	_____	_____

2. Write the names of the following compounds.

- a. CaO \_\_\_\_\_
- b. KBr \_\_\_\_\_
- c.  $Al_2O_3$  \_\_\_\_\_
- d.  $MgCl_2$  \_\_\_\_\_

3. Write the formulas and names for compounds of the following ions:

	$Br^-$	$S^{2-}$	$N^{3-}$
$Na^+$			
$Al^{3+}$			

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4. Select the correct name for each.

A.  $\text{Fe}_2\text{S}_3$

- 1) iron sulfide
- 2) iron(II) sulfide
- 3) iron(III) sulfide

B.  $\text{CuO}$

- 1) copper oxide
- 2) copper(I) oxide
- 3) copper(II) oxide

5. What is the correct formula for each of the following?

A. Copper(I) nitride

- 1)  $\text{CuN}$
- 2)  $\text{CuN}_3$
- 3)  $\text{Cu}_3\text{N}$

B. Lead(IV) oxide

- 1)  $\text{PbO}_2$
- 2)  $\text{PbO}$
- 3)  $\text{Pb}_2\text{O}_4$