

Name _____ Date _____

C. USING CONCEPTS

Use the chart below to write formulas or names for the following.

Common Oxidation Numbers

1 +

Hydrogen, H⁺
Lithium, Li⁺
Potassium, K⁺
Silver, Ag⁺
Sodium, Na⁺
Ammonium, NH₄⁺

2 +

Barium, Ba²⁺
Calcium, Ca²⁺
Cobalt(II), Co²⁺
Copper(II), Cu²⁺
Iron(II), Fe²⁺
Magnesium, Mg²⁺
Zinc, Zn²⁺

3 +

Aluminum, Al³⁺
Chromium (III), Cr³⁺
Iron(III), Fe³⁺

1 -

Bromide, Br⁻
Chloride, Cl⁻
Iodide, I⁻
Acetate, C₂H₃O₂⁻
Hydroxide, OH⁻
Nitrate, NO₃⁻

2 -

Oxide, O₂⁻
Sulfide, S²⁻
Carbonate, CO₃²⁻
Sulfate, SO₄²⁻

3 -

Nitride, N³⁻
Phosphate, PO₄³⁻

1. sodium sulfide _____
2. sodium carbonate _____
3. zinc chloride _____
4. copper(II) bromide _____
5. aluminum oxide _____
6. KCl _____
7. NH₄OH _____
8. Ca₂ _____
9. AgCl _____
10. Na₃PO₄ _____

Insert coefficients before the formulas to correctly balance the equations

