Chapter 20 Chemical Bonds WKST 20.1 Name Key

Worksheet: Formula Writing – Polyatomic ions Period_____ Date_____

(Frameworks Code)

Write the oxidation number above the name of each element or polyatomic ion. Then write the correct chemical formula for the following compounds. **Note:** Zinc and silver have 2+ and 1+ oxidation numbers, respectively.

1. Calcium sulfate $CaSO_4$
2. Sodium carbonate Na_2CO_3
3. Hydrogen nitrate HNO_3
4. Hydrogen phosphate H_3PO_4
5. Barium carbonate $BaCO_3$
6. Calcium nitrate $Ca(NO_3)_2$
7. Lithium chlorate $LiClO_3$
8. Aluminum hydroxide $Al(OH)_3$
9. Sodium acetate $NaC_2H_3O_2$
10. Ammonium sulfate $(NH_4)_2SO_4$
11. Potassium hydroxide KOH
12. Iron (III) nitrate $Fe(NO_3)_3$
13. Zinc sulfate $ZnSO_4$
14. Aluminum phosphate $AlPO_4$
15. Sodium hydroxide $NaOH$
16. Zinc acetate $Zn(C_2H_3O_2)_2$
17. Silver nitrate $AgNO_3$
18. Barium bicarbonate $Ba(HCO_3)_2$
19. Calcium carbonate $CaCO_3$
20. Copper (II) hydroxide $Cu(OH)_2$