

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

Date: \_\_\_\_\_ Per: \_\_\_\_\_

**Chemistry**  
*Naming Ionic Compounds WS 2: Polyatomic Ions*

I. Write the names for the following polyatomic ionic compounds:

1.  $\text{LiNO}_3$  \_\_\_\_\_

2.  $\text{Zn}(\text{CN})_2$  \_\_\_\_\_

3.  $\text{Cu}_2\text{SO}_4$  \_\_\_\_\_

4.  $(\text{NH}_4)_3\text{PO}_4$  \_\_\_\_\_

5.  $\text{Al}(\text{H}_2\text{PO}_4)_3$  \_\_\_\_\_

6.  $\text{Cr}_2(\text{C}_2\text{O}_4)_3$  \_\_\_\_\_

7.  $\text{KNO}_2$  \_\_\_\_\_

8.  $\text{Ba}(\text{MnO}_4)_2$  \_\_\_\_\_

9.  $\text{FeCr}_2\text{O}_7$  \_\_\_\_\_

10.  $\text{Sn}(\text{HPO}_4)_2$  \_\_\_\_\_

11.  $\text{CuSO}_4$  \_\_\_\_\_

12.  $\text{Mg}_3(\text{PO}_4)_2$  \_\_\_\_\_

13.  $\text{Pb}(\text{HCO}_3)_2$  \_\_\_\_\_

14.  $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$  \_\_\_\_\_

15.  $\text{Sr}(\text{OH})_2$  \_\_\_\_\_

16.  $\text{Pb}(\text{OH})_2$  \_\_\_\_\_

17. KCN \_\_\_\_\_

II. Write the formulas for the following polyatomic ionic compounds:

18. sodium permanganate \_\_\_\_\_

19. magnesium cyanide \_\_\_\_\_

20. ammonium hydroxide \_\_\_\_\_

21. zinc nitrate \_\_\_\_\_

22. iron(III) carbonate \_\_\_\_\_

23. silver nitrate \_\_\_\_\_

24. copper(I) oxalate \_\_\_\_\_

25. calcium dihydrogen phosphate \_\_\_\_\_

26. barium phosphate \_\_\_\_\_

27. lead(II) acetate \_\_\_\_\_

28. aluminum dichromate \_\_\_\_\_

29. copper(II) bicarbonate \_\_\_\_\_

30. tin(IV) hydrogen phosphate \_\_\_\_\_

31. ammonium sulfide \_\_\_\_\_

32. strontium sulfate \_\_\_\_\_