

Worksheet- Polyatomic Ions

Name _____

Date _____

Period _____

Write the formulas of compounds that contain polyatomic ions. Be sure that each compound is neutral with a balance of charges between the cations and anions. Enclose any polyatomic ion in parentheses if it is present more than once in a compound.

1. sodium acetate _____

2. calcium hydroxide _____

3. aluminum phosphate _____

4. ammonium sulfate _____

5. lithium thiosulfate _____

6. ammonium hydroxide _____

7. aluminum carbonate _____

8. potassium nitrate _____

9. magnesium nitrate _____

10. sodium peroxide _____

11. iron(III) hydroxide _____

12. copper(II) phosphate _____

13. cobalt(III) sulfate _____

14. cobalt(II) sulfate _____

15. copper(I) carbonate _____

16. chromium(III) acetate _____

17. copper(I) cyanide _____

18. nickel sulfate _____

19. sodium sulfate _____

20. magnesium sulfate _____

Write the names of each of the following compounds.

1. $\text{Fe}(\text{OH})_2$ _____

2. Li_2CO_3 _____

3. FeCl_3 _____

4. PbSO_3 _____

5. CaC_2O_4 _____

6. $(\text{NH}_4)_3\text{PO}_4$ _____

7. NaHSO_4 _____

8. $\text{Be}(\text{NO}_3)_2$ _____

9. KMnO_4 _____

10. KClO_3 _____

11. NH_4OH _____

12. $\text{KC}_2\text{H}_3\text{O}_2$ _____

13. $\text{Zn}(\text{NO}_3)$ _____

14. CaCO_3 _____

15. NaHCO_3 _____

16. Li_2SO_4 _____

17. $\text{Al}_2(\text{SO}_4)_3$ _____

18. BaSO_3 _____

19. $\text{Cu}_3(\text{PO}_4)_2$ _____

20. NH_4NO_3 _____