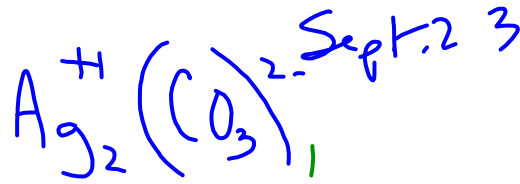


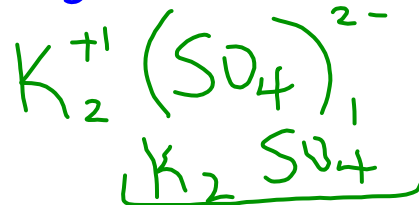
Write the correct formula for:

1) silver carbonate

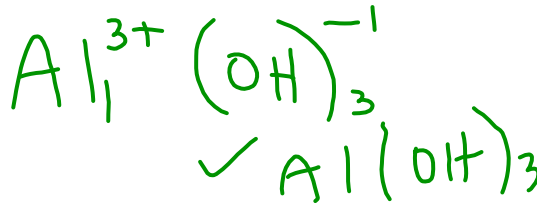


polyatomic ion

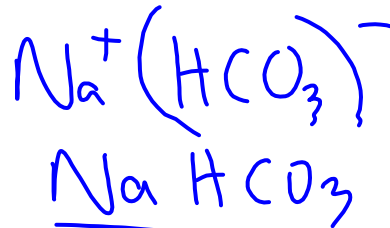
2) potassium sulfate



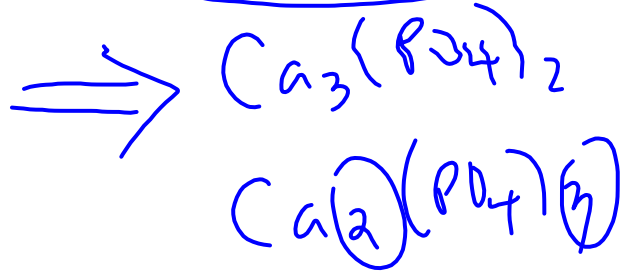
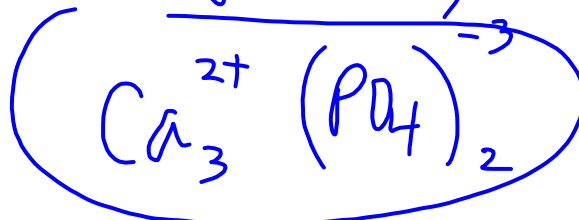
3) aluminum hydroxide



4) sodium hydrogen carbonate

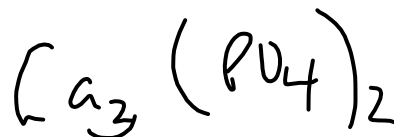
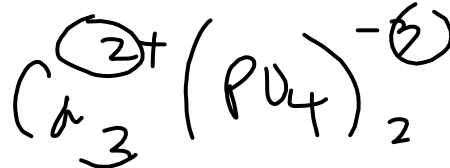


5) calcium phosphate



calcium carbonate

calcium phosphate



### Worksheet #3 Ionic Compounds Containing Polyatomic Ions

- |                      |  |   |
|----------------------|--|---|
| 1. Sodium chromate   | $\overset{+1}{\text{Na}}_2 (\overset{2-}{\text{CrO}_4})_1$ | $\text{Na}_2\text{CrO}_4$                     |
| 2. Calcium carbonate |  | $\text{CaCO}_3$                               |
| 3. Magnesium nitrate | $\overset{2+}{\text{Mg}} (\overset{2-}{\text{NO}_3})_2$    | $\text{Mg}(\text{NO}_3)_2$                    |
| 4. Aluminum sulfate  |  | $\text{Al}_2(\text{SO}_4)_3$                  |
| 5. Lithium phosphate |  | $\text{Li}_3\text{PO}_4$                      |
| 6. Ammonium chloride | $\overset{+1}{\text{NH}_4} \overset{-1}{\text{Cl}}$        | $\text{NH}_4\text{Cl}$                        |
| 7. Cesium chlorate   |  | $\text{CsClO}_3$                              |
| 8. Potassium sulfate |  | $\text{K}_2\text{SO}_4$                       |
| 9. Barium acetate    |  | $\text{Ba}(\text{C}_2\text{H}_3\text{O}_2)_2$ |
| 10. Rubidium cyanide | $\overset{+1}{\text{Rb}} \overset{-1}{\text{CN}}$          | $\text{RbCN}$                                 |

- |                           |                              |
|---------------------------|------------------------------|
| 11. potassium acetate     | $\text{KCH}_3\text{CO}_2$    |
| 12. magnesium phosphate   | $\text{Mg}_3(\text{PO}_4)_2$ |
| 13. aluminum chlorate     |                              |
| 14. calcium sulfate       |                              |
| 15. strontium bicarbonate |                              |
| 16. sodium nitrate        | $\text{NaNO}_3$              |
| 17. lithium carbonate     | polyatomic                   |
| 18. barium nitrate        |                              |
| 19. cesium chromate       | $\text{NH}_4\text{OH}$       |
| 20. ammonium hydroxide    |                              |