

Chemistry Polyatomic Ions

Learn the following polyatomic ions. We will have a quiz on these that will be similar to the quiz we took with the chemical symbols. You need to know both the name and the symbols. Subscripts and charges are important and will need to be included to get credit on the quiz. There is a more complete list in your book, but the following are the only ones you will be quizzed over.

| | |
|-------------------------------------|---------------------------------------|
| 1. ammonium | NH_4^{+1} |
| 2. acetate | $\text{C}_2\text{H}_3\text{O}_2^{-1}$ |
| 3. chlorate | ClO_3^{-1} |
| 4. chlorite | ClO_2^{-1} |
| 5. cyanide | CN^{-1} |
| 6. hydroxide | OH^{-1} |
| 7. nitrate | NO_3^{-1} |
| 8. nitrite | NO_2^{-1} |
| 9. hydrogen carbonate (bicarbonate) | HCO_3^{-1} |
| 10. carbonate | CO_3^{-2} |
| 11. chromate | CrO_4^{-2} |
| 12. dichromate | $\text{Cr}_2\text{O}_7^{-2}$ |
| 13. sulfate | SO_4^{-2} |
| 14. sulfite | SO_3^{-2} |
| 15. phosphate | PO_4^{-3} |