**NAMING POLYATOMIC IONS:**

Ions made up of more than one atom are polyatomic ions:

* Only one polyatomic cation: **NH4+ = ammonium ion**
* Many polyatomic anions: see table below

NH4+ = ammonium ion **POLYATOMIC IONS**

OH- = hydroxide ion NO2- = nitrite ion C2H3O2- = acetate ion

CN- = cyanide ion NO3- = nitrate ion PO4-3 = phosphate ion

CrO4-2 = chromate SO4-2 = sulfate MnO4- = permanganate ion

Cr2O7-2 = dichromate ion SO3-2 = sulfite ion CO3-2 = carbonate ion

HCO3- = hydrogen carbonate ion or bicarbonate ion

Name each of the following polyatomic ions:

CN- = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CrO4-2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SO4-2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NO3- = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OH- = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PO4-3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NH4+ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C2H3O2- = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_