# ***POLYATOMIC IONS***

***Symbol Name***

CH3COO1– acetate ion

**NH41+ ammonium ion**

AsO43– arsenate ion

C6H5COO1– benzoate ion

HCO31– bicarbonate ion

BrO31– bromate ion

**CO32– carbonate ion**

**ClO31– chlorate ion**

ClO21– chlorite ion

CrO42– chromate ion

C6H5O73– citrate ion

**CN1– cyanide ion**

Cr2O72– dichromate ion

**OH1– hydroxide ion**

ClO1– hypochlorite ion

IO31– iodate ion

**NO31– nitrate ion**

NO21– nitrite ion

C2O42– oxalate ion

ClO41– perchlorate ion

IO41– periodate ion

MnO41– permanganate ion

**PO43– phosphate ion**

PO33– phosphite ion

SiO32– silicate ion

**SO42– sulfate ion**

SO32– sulfite ion

S2O32– thiosulfate ion

**\***Must memorize BOLD ions

***MONATOMIC IONS***

***Symbol Name***

Cd2+ cadmium ion

Cr2+ chromium (II) ion

Cr3+ chromium (III) ion

Co2+ cobalt (II) ion

Co3+ cobalt (III) ion

Cu1+ copper (I) ion

Cu2+ copper (II) ion

Au1+ gold (I) ion

Au3+ gold (III) ion

Fe2+ iron (II) ion

Fe3+ iron (III) ion

Pb2+ lead (II) ion

Pb4+ lead (IV) ion

Pt2+ platinum (II) ion

Pt4+ platinum (IV) ion

Sn2+ tin (II) ion

Sn4+ tin (IV) ion

Ti3+ titanium (III) ion

Ti4+ titanium (IV) ion

W4+ tungsten (IV) ion

W5+ tungsten (V) ion

U3+ uranium (III) ion

U4+ uranium (IV) ion

U5+ uranium (V) ion

U6+ uranium (VI) ion

V3+ vanadium (III) ion

V4+ vanadium (IV) ion

V5+ vanadium (V) ion

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Pt2+ platinum (II) ion

Pt4+ platinum (IV) ion

Sn2+ tin (II) ion

Sn4+ tin (IV) ion

Ti3+ titanium (III) ion

Ti4+ titanium (IV) ion

W4+ tungsten (IV) ion

W5+ tungsten (V) ion

U3+ uranium (III) ion

U4+ uranium (IV) ion

U5+ uranium (V) ion

U6+ uranium (VI) ion

V3+ vanadium (III) ion

V4+ vanadium (IV) ion

V5+ vanadium (V) ion