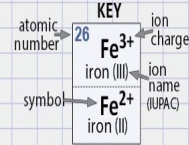


TABLE OF POLYATOMIC IONS			
acetate	$\text{CH}_3\text{COO}^-$	dihydrogen phosphate	$\text{H}_2\text{PO}_4^-$
arsenate	$\text{AsO}_4^{3-}$	hydrogen carbonate	$\text{HCO}_3^-$
arsenite	$\text{AsO}_3^{3-}$	hydrogen oxalate	$\text{HC}_2\text{O}_4^-$
benzoate	$\text{C}_6\text{H}_5\text{COO}^-$	hydrogen sulfate	$\text{HSO}_4^-$
borate	$\text{BO}_3^{3-}$	hydrogen sulfide	$\text{HS}^-$
bromate	$\text{BrO}_3^-$	hydrogen sulfite	$\text{HSO}_3^-$
carbonate	$\text{CO}_3^{2-}$	hydroxide	$\text{OH}^-$
chlorate	$\text{ClO}_3^-$	hypochlorite	$\text{ClO}^-$
chlorite	$\text{ClO}_2^-$	iodate	$\text{IO}_3^-$
chromate	$\text{CrO}_4^{2-}$	monohydrogen phosphate	$\text{HPO}_4^{2-}$
cyanate	$\text{CNO}^-$	nitrate	$\text{NO}_3^-$
cyanide	$\text{CN}^-$	nitrite	$\text{NO}_2^-$
dichromate	$\text{Cr}_2\text{O}_7^{2-}$	orthosilicate	$\text{SiO}_4^{4-}$
oxalate	$\text{C}_2\text{O}_4^{2-}$	perchlorate	$\text{ClO}_4^-$
perchlorate	$\text{ClO}_4^-$	periodate	$\text{IO}_4^-$
periodate	$\text{IO}_4^-$	permanganate	$\text{MnO}_4^-$
permanganate	$\text{MnO}_4^-$	peroxide	$\text{O}_2^{2-}$
peroxide	$\text{O}_2^{2-}$	phosphate	$\text{PO}_4^{3-}$
phosphate	$\text{PO}_4^{3-}$	pyrophosphate	$\text{P}_2\text{O}_7^{4-}$
pyrophosphate	$\text{P}_2\text{O}_7^{4-}$	sulfate	$\text{SO}_4^{2-}$
sulfate	$\text{SO}_4^{2-}$	sulfite	$\text{SO}_3^{2-}$
sulfite	$\text{SO}_3^{2-}$	thiocyanate	$\text{SCN}^-$
thiocyanate	$\text{SCN}^-$	thiosulfate	$\text{S}_2\text{O}_3^{2-}$
thiosulfate	$\text{S}_2\text{O}_3^{2-}$	POSITIVE POLYATOMIC IONS	
		ammonium	$\text{NH}_4^+$
		hydronium	$\text{H}_3\text{O}^+$

# PERIODIC TABLE



1 $\text{H}^+$ hydrogen	2 $\text{He}$ helium																	
3 $\text{Li}^+$ lithium	4 $\text{Be}^{2+}$ beryllium																	
11 $\text{Na}^+$ sodium	12 $\text{Mg}^{2+}$ magnesium																	
19 $\text{K}^+$ potassium	20 $\text{Ca}^{2+}$ calcium	21 $\text{Sc}^{3+}$ scandium	22 $\text{Ti}^{4+}$ titanium (IV)	23 $\text{V}^{3+}$ vanadium (III)	24 $\text{Cr}^{3+}$ chromium (III)	25 $\text{Mn}^{2+}$ manganese (II)	26 $\text{Fe}^{3+}$ iron (III)	27 $\text{Co}^{2+}$ cobalt (II)	28 $\text{Ni}^{2+}$ nickel (II)	29 $\text{Cu}^{2+}$ copper (II)	30 $\text{Zn}^{2+}$ zinc	31 $\text{Ga}^{3+}$ gallium	32 $\text{Ge}^{4+}$ germanium	33 $\text{As}^{3-}$ arsenide	34 $\text{Se}^{2-}$ selenide	35 $\text{Br}^-$ bromide	36 $\text{Kr}$ krypton	
37 $\text{Rb}^+$ rubidium	38 $\text{Sr}^{2+}$ strontium	39 $\text{Y}^{3+}$ yttrium	40 $\text{Zr}^{4+}$ zirconium	41 $\text{Nb}^{5+}$ niobium (V)	42 $\text{Mo}^{6+}$ molybdenum	43 $\text{Tc}^{7+}$ technetium	44 $\text{Ru}^{3+}$ ruthenium (III)	45 $\text{Rh}^{3+}$ rhodium	46 $\text{Pd}^{2+}$ palladium (II)	47 $\text{Ag}^+$ silver	48 $\text{Cd}^{2+}$ cadmium	49 $\text{In}^{3+}$ indium	50 $\text{Sn}^{4+}$ tin (IV)	51 $\text{Sb}^{3-}$ antimony (III)	52 $\text{Te}^{2-}$ telluride	53 $\text{I}^-$ iodide	54 $\text{Xe}$ xenon	
55 $\text{Cs}^+$ cesium	56 $\text{Ba}^{2+}$ barium	57 $\text{La}^{3+}$ lanthanum	72 $\text{Hf}^{4+}$ hafnium	73 $\text{Ta}^{5+}$ tantalum	74 $\text{W}^{6+}$ tungsten	75 $\text{Re}^{7+}$ rhenium	76 $\text{Os}^{4+}$ osmium	77 $\text{Ir}^{4+}$ iridium	78 $\text{Pt}^{4+}$ platinum (IV)	79 $\text{Au}^{3+}$ gold (III)	80 $\text{Hg}^{2+}$ mercury (II)	81 $\text{Tl}^+$ thallium (I)	82 $\text{Pb}^{2+}$ lead (II)	83 $\text{Bi}^{3+}$ bismuth (III)	84 $\text{Po}^{2+}$ polonium (II)	85 $\text{At}^-$ astatide	86 $\text{Rn}$ radon	
87 $\text{Fr}^+$ francium	88 $\text{Ra}^{2+}$ radium	89 $\text{Ac}^{3+}$ actinium																
			58 $\text{Ce}^{3+}$ cerium	59 $\text{Pr}^{3+}$ praseodymium	60 $\text{Nd}^{3+}$ neodymium	61 $\text{Pm}^{3+}$ promethium	62 $\text{Sm}^{3+}$ samarium (III)	63 $\text{Eu}^{3+}$ europium (III)	64 $\text{Gd}^{3+}$ gadolinium	65 $\text{Tb}^{3+}$ terbium	66 $\text{Dy}^{3+}$ dysprosium	67 $\text{Ho}^{3+}$ holmium	68 $\text{Er}^{3+}$ erbium	69 $\text{Tm}^{3+}$ thulium	70 $\text{Yb}^{3+}$ ytterbium (III)	71 $\text{Lu}^{3+}$ lutetium		
					90 $\text{Th}^{4+}$ thorium	91 $\text{Pa}^{5+}$ protactinium (V)	92 $\text{U}^{6+}$ uranium (VI)	93 $\text{Np}^{5+}$ neptunium	94 $\text{Pu}^{4+}$ plutonium (IV)	95 $\text{Am}^{3+}$ americium (III)	96 $\text{Cm}^{3+}$ curium	97 $\text{Bk}^{3+}$ berkelium (III)	98 $\text{Cf}^{3+}$ californium	99 $\text{Es}^{3+}$ einsteinium	100 $\text{Fm}^{3+}$ fermium	101 $\text{Md}^{2+}$ mendelevium (II)	102 $\text{No}^{2+}$ nobelium (II)	103 $\text{Lr}^{3+}$ lawrencium

