

## Periodic Chart of Ions

IA		Table of Polyatomic Ions										VIIIA						
1 <b>H<sup>+</sup></b> <small>hydrogen</small>		3 <b>Li<sup>+</sup></b> <small>lithium</small>	4 <b>Be<sup>2+</sup></b> <small>beryllium</small>	5 <b>B</b> <small>boron</small>	6 <b>C</b> <small>carbon</small>	7 <b>N<sup>3-</sup></b> <small>nitride</small>	8 <b>O<sup>2-</sup></b> <small>oxide</small>	9 <b>F<sup>-</sup></b> <small>fluoride</small>	10 <b>Ne</b> <small>neon</small>	11 <b>Na<sup>+</sup></b> <small>sodium</small>	12 <b>Mg<sup>2+</sup></b> <small>magnesium</small>	13 <b>Al<sup>3+</sup></b> <small>aluminum</small>	14 <b>Si</b> <small>silicon</small>	15 <b>P<sup>3-</sup></b> <small>phosphide</small>	16 <b>S<sup>2-</sup></b> <small>sulfide</small>	17 <b>Cl<sup>-</sup></b> <small>chloride</small>	18 <b>Ar</b> <small>argon</small>	
	19 <b>K<sup>+</sup></b> <small>potassium</small>	20 <b>Ca<sup>2+</sup></b> <small>calcium</small>	21 <b>Sc<sup>3+</sup></b> <small>scandium</small>	22 <b>Ti<sup>4+</sup></b> <small>titanium (IV)</small>	23 <b>V<sup>5+</sup></b> <small>vanadium (V)</small>	24 <b>Cr<sup>3+</sup></b> <small>chromium (III)</small>	25 <b>Mn<sup>2+</sup></b> <small>manganese (II)</small>	26 <b>Fe<sup>3+</sup></b> <small>iron (III)</small>	27 <b>Co<sup>2+</sup></b> <small>cobalt (II)</small>	28 <b>Ni<sup>2+</sup></b> <small>nickel (II)</small>	29 <b>Cu<sup>2+</sup></b> <small>copper (II)</small>	30 <b>Zn<sup>2+</sup></b> <small>zinc</small>	31 <b>Ga<sup>3+</sup></b> <small>gallium</small>	32 <b>Ge<sup>4+</sup></b> <small>germanium</small>	33 <b>As<sup>3-</sup></b> <small>arsenide</small>	34 <b>Se<sup>2-</sup></b> <small>selenide</small>	35 <b>Br<sup>-</sup></b> <small>bromide</small>	36 <b>Kr</b> <small>krypton</small>
	37 <b>Rb<sup>+</sup></b> <small>rubidium</small>	38 <b>Sr<sup>2+</sup></b> <small>strontium</small>	39 <b>Y<sup>3+</sup></b> <small>yttrium</small>	40 <b>Zr<sup>4+</sup></b> <small>zirconium</small>	41 <b>Nb<sup>5+</sup></b> <small>niobium (V)</small>	42 <b>Mo<sup>6+</sup></b> <small>molybdenum</small>	43 <b>Tc<sup>7+</sup></b> <small>technetium</small>	44 <b>Ru<sup>2+</sup></b> <small>ruthenium (II)</small>	45 <b>Rh<sup>3+</sup></b> <small>rhodium</small>	46 <b>Pd<sup>2+</sup></b> <small>palladium (II)</small>	47 <b>Ag<sup>+</sup></b> <small>silver</small>	48 <b>Cd<sup>2+</sup></b> <small>cadmium</small>	49 <b>In<sup>3+</sup></b> <small>indium</small>	50 <b>Sn<sup>4+</sup></b> <small>tin (IV)</small>	51 <b>Sb<sup>3-</sup></b> <small>antimony (III)</small>	52 <b>Te<sup>2-</sup></b> <small>telluride</small>	53 <b>I<sup>-</sup></b> <small>iodide</small>	54 <b>Xe</b> <small>xenon</small>
	55 <b>Cs<sup>+</sup></b> <small>cesium</small>	56 <b>Ba<sup>2+</sup></b> <small>barium</small>	57 <b>La<sup>3+</sup></b> <small>lanthanum</small>	72 <b>Hf<sup>4+</sup></b> <small>hafnium</small>	73 <b>Ta<sup>5+</sup></b> <small>tantalum</small>	74 <b>W<sup>6+</sup></b> <small>wolfram</small>	75 <b>Re<sup>7+</sup></b> <small>rhenium</small>	76 <b>Os<sup>4+</sup></b> <small>osmium</small>	77 <b>Ir<sup>4+</sup></b> <small>iridium</small>	78 <b>Pt<sup>4+</sup></b> <small>platinum (IV)</small>	79 <b>Au<sup>3+</sup></b> <small>gold (III)</small>	80 <b>Hg<sup>2+</sup></b> <small>mercury (II)</small>	81 <b>Tl<sup>+</sup></b> <small>thallium (I)</small>	82 <b>Pb<sup>2+</sup></b> <small>lead (II)</small>	83 <b>Bi<sup>3+</sup></b> <small>bismuth (III)</small>	84 <b>Po<sup>2+</sup></b> <small>polonium (II)</small>	85 <b>At<sup>-</sup></b> <small>astatine</small>	86 <b>Rn</b> <small>radon</small>
	87 <b>Fr<sup>+</sup></b> <small>francium</small>	88 <b>Ra<sup>2+</sup></b> <small>radium</small>	89 <b>Ac<sup>3+</sup></b> <small>actinium</small>															
	<b>KEY</b> atomic number → <b>26</b> ← oxidation charge symbol → <b>Fe<sup>3+</sup></b> ← stock name (IUPAC) symbol → <b>Fe<sup>2+</sup></b> ← ion (I)			58 <b>Ce<sup>3+</sup></b> <small>cerium</small>	59 <b>Pr<sup>3+</sup></b> <small>praseodymium</small>	60 <b>Nd<sup>3+</sup></b> <small>neodymium</small>	61 <b>Pm<sup>3+</sup></b> <small>promethium</small>	62 <b>Sm<sup>3+</sup></b> <small>samarium (III)</small>	63 <b>Eu<sup>3+</sup></b> <small>europrrium (III)</small>	64 <b>Gd<sup>3+</sup></b> <small>gadolinium</small>	65 <b>Tb<sup>3+</sup></b> <small>terbium</small>	66 <b>Dy<sup>3+</sup></b> <small>dysprosium</small>	67 <b>Ho<sup>3+</sup></b> <small>holmium</small>	68 <b>Er<sup>3+</sup></b> <small>erbium</small>	69 <b>Tm<sup>3+</sup></b> <small>thulium</small>	70 <b>Yb<sup>3+</sup></b> <small>ytterbium (III)</small>	71 <b>Lu</b> <small>lutetium</small>	
	90 <b>Th<sup>4+</sup></b> <small>thorium</small>	91 <b>Pa<sup>5+</sup></b> <small>protactinium (V)</small>	92 <b>U<sup>6+</sup></b> <small>uranium (VI)</small>	93 <b>Np<sup>5+</sup></b> <small>neptunium</small>	94 <b>Pu<sup>4+</sup></b> <small>plutonium (IV)</small>	95 <b>Am<sup>3+</sup></b> <small>americium (III)</small>	96 <b>Cm<sup>3+</sup></b> <small>curium</small>	97 <b>Bk<sup>3+</sup></b> <small>berkelium (III)</small>	98 <b>Cf<sup>3+</sup></b> <small>californium</small>	99 <b>Es<sup>3+</sup></b> <small>einsteinium</small>	100 <b>Fm<sup>3+</sup></b> <small>fermium</small>	101 <b>Md<sup>2+</sup></b> <small>mendeleevium (II)</small>	102 <b>No<sup>2+</sup></b> <small>nobelium (II)</small>	103 <b>Gd<sup>3+</sup></b> <small>gadolinium</small>				