

1 H ⁺ hydrogen	2 Li ⁺ lithium	3 Na ⁺ sodium	4 Be ²⁺ beryllium	11 Mg ²⁺ magnesium
19 K ⁺ potassium	20 Ca ²⁺ calcium	37 Rb ⁺ rubidium	38 Sr ²⁺ strontium	87 Fr ⁺ francium
21 Sc ³⁺ scandium	39 Y ³⁺ yttrium	88 Ra ²⁺ radium	89 Ac ³⁺ actinium	

TABLE OF POLYATOMIC IONS			
acetate	CH ₃ COO ⁻	dihydrogen phosphate	H ₂ PO ₄ ⁻
arsenate	AsO ₄ ³⁻	hydrogen carbonate	HCO ₃ ⁻
arsenite	AsO ₃ ³⁻	hydrogen oxalate	HC ₂ O ₄ ⁻
benzoate	C ₆ H ₅ COO ⁻	hydrogen sulfate	HSO ₄ ⁻
borate	BO ₃ ³⁻	hydrogen sulfide	HS ⁻
bromate	BrO ₃ ⁻	hydrogen sulfite	HSO ₃ ⁻
carbonate	CO ₃ ²⁻	hydroxide	OH ⁻
chlorate	ClO ₃ ⁻	hypochlorite	ClO ⁻
chloride	Cl ⁻	iodate	IO ₃ ⁻
chlorite	ClO ₂ ⁻	monohydrogen phosphate	HPO ₄ ²⁻
chromate	CrO ₄ ²⁻	nitrate	NO ₃ ⁻
cyanate	CNO ⁻	nitrite	NO ₂ ⁻
cyanide	CN ⁻	orthosilicate	SiO ₄ ⁴⁻
dichromate	Cr ₂ O ₇ ²⁻		
oxalate	C ₂ O ₄ ²⁻	perchlorate	ClO ₄ ⁻
periodate	IO ₄ ⁻	permanganate	MnO ₄ ⁻
peroxide	O ₂ ²⁻	phosphate	PO ₄ ³⁻
pyrophosphate	P ₂ O ₇ ⁴⁻	sulfate	SO ₄ ²⁻
sulfate	SO ₄ ²⁻	sulfite	SO ₃ ²⁻
thiocyanate	SCN ⁻	thiosulfate	S ₂ O ₃ ²⁻
thiosulfate	S ₂ O ₃ ²⁻		
POSITIVE POLYATOMIC IONS		ammonium	NH ₄ ⁺
		hydronium	H ₃ O ⁺

PERIODIC TABLE OF IONS

KEY					
atomic number →	26	Fe ³⁺	← ion charge		
		iron (III)	← ion name (IUPAC)		
symbol →	Fe ²⁺				
13	14	15	16	17	18
5 B boron	6 C carbon	7 N ³⁻ nitride	8 O ²⁻ oxide	9 F ⁻ fluoride	10 Ne neon
13 Al ³⁺ aluminum	14 Si silicon	15 P ³⁻ phosphide	16 S ²⁻ sulfide	17 Cl ⁻ chloride	18 Ar argon
19 K ⁺ potassium	20 Ca ²⁺ calcium	21 Sc ³⁺ scandium	22 Ti ⁴⁺ titanium (IV)	23 V ³⁺ vanadium (III)	24 Cr ³⁺ chromium (III)
37 Rb ⁺ rubidium	38 Sr ²⁺ strontium	39 Y ³⁺ yttrium	40 Zr ⁴⁺ zirconium	41 Nb ⁵⁺ niobium (V)	42 Mo ⁶⁺ molybdenum
55 Cs ⁺ cesium	56 Ba ²⁺ barium	57 La ³⁺ lanthanum	72 Hf ⁴⁺ hafnium	73 Ta ⁵⁺ tantalum	74 W ⁶⁺ tungsten
87 Fr ⁺ francium	88 Ra ²⁺ radium	89 Ac ³⁺ actinium			
25 Mn ²⁺ manganese (II)	26 Fe ³⁺ iron (III)	27 Co ²⁺ cobalt (II)	28 Ni ²⁺ nickel (II)	29 Cu ²⁺ copper (II)	30 Zn ²⁺ zinc
31 Ga ³⁺ gallium	32 Ge ⁴⁺ germanium	33 As ³⁻ arsenide	34 Se ²⁻ selenide	35 Br ⁻ bromide	36 Kr krypton
43 Tc ⁷⁺ technetium	44 Ru ³⁺ ruthenium (III)	45 Rh ³⁺ rhodium	46 Pd ²⁺ palladium (II)	47 Ag ⁺ silver	48 Cd ²⁺ cadmium
75 Re ⁷⁺ rhenium	76 Os ⁴⁺ osmium	77 Ir ⁴⁺ iridium	78 Pt ⁴⁺ platinum (IV)	79 Au ³⁺ gold (III)	80 Hg ²⁺ mercury (II)
90 Th ⁴⁺ thorium	91 Pa ⁵⁺ protactinium (V)	92 U ⁶⁺ uranium (VI)	93 Np ⁵⁺ neptunium	94 Pu ⁴⁺ plutonium (IV)	95 Am ³⁺ americium (III)
58 Ce ³⁺ cerium	59 Pr ³⁺ praseodymium	60 Nd ³⁺ neodymium	61 Pm ³⁺ promethium	62 Sm ³⁺ samarium (III)	63 Eu ³⁺ europium (III)
64 Gd ³⁺ gadolinium	65 Tb ³⁺ terbium	66 Dy ³⁺ dysprosium	67 Ho ³⁺ holmium	68 Er ³⁺ erbium	69 Tm ³⁺ thulium
70 Yb ³⁺ ytterbium (III)	71 Lu ³⁺ lutetium				
96 Cm ³⁺ curium	97 Bk ³⁺ berkelium (III)	98 Cf ³⁺ californium	99 Es ³⁺ einsteinium	100 Fm ³⁺ fermium	101 Md ²⁺ mendelevium (II)
102 No ²⁺ nobelium (II)	103 Lr ³⁺ lawrencium				