

# PERIODIC TABLE OF IONS

TABLE OF POLYATOMIC IONS	
acetate	$\text{CH}_3\text{COO}^-$
arsenate	$\text{AsO}_4^{3-}$
arsenite	$\text{AsO}_3^{3-}$
benzoate	$\text{C}_6\text{H}_5\text{COO}^-$
borate	$\text{BO}_3^{3-}$
bromate	$\text{BrO}_3^-$
carbonate	$\text{CO}_3^{2-}$
chlorate	$\text{ClO}_3^-$
chloride	$\text{Cl}^-$
chlorite	$\text{ClO}_2^-$
chromate	$\text{CrO}_4^{2-}$
cyanate	$\text{CNO}^-$
cyanide	$\text{CN}^-$
dichromate	$\text{Cr}_2\text{O}_7^{2-}$
orthosilicate	$\text{SiO}_4^{4-}$
orthosulfate	$\text{SO}_4^{2-}$
perchlorate	$\text{ClO}_4^-$
periodate	$\text{IO}_4^-$
permanganate	$\text{MnO}_4^-$
peroxide	$\text{O}_2^{2-}$
phosphate	$\text{PO}_4^{3-}$
pyrophosphate	$\text{P}_2\text{O}_7^{4-}$
sulfate	$\text{SO}_4^{2-}$
sulfite	$\text{SO}_3^{2-}$
thiocyanate	$\text{SCN}^-$
thiosulfate	$\text{S}_2\text{O}_3^{2-}$
POSITIVE POLYATOMIC IONS	
ammonium	$\text{NH}_4^+$
hydronium	$\text{H}_3\text{O}^+$

1	$\text{H}^+$	2	hydrogen
3	$\text{Li}^+$	4	lithium
11	$\text{Na}^+$	12	sodium
19	$\text{K}^+$	20	potassium
37	$\text{Rb}^+$	38	rubidium
55	$\text{Cs}^+$	56	cesium
87	$\text{Fr}^+$	88	francium
21	$\text{Sc}^{3+}$	22	scandium
39	$\text{Y}^{3+}$	40	yttrium
57	$\text{La}^{3+}$	58	lanthanum
72	$\text{Hf}^{4+}$	73	hafnium
89	$\text{Ac}^{3+}$	90	actinium
23	$\text{V}^{3+}$	24	vanadium
41	$\text{Nb}^{5+}$	42	niobium
59	$\text{Pr}^{3+}$	60	praseodymium
77	$\text{Ir}^{4+}$	78	iridium
85	$\text{At}^-$	86	astatide
91	$\text{Pa}^{5+}$	92	protactinium
93	$\text{Np}^{5+}$	94	neptunium
95	$\text{Am}^{3+}$	96	americium
97	$\text{Bk}^{3+}$	98	berkelium
99	$\text{Es}^{3+}$	100	einsteinium
101	$\text{Md}^{2+}$	102	mendeleevium
103	$\text{Lr}^{3+}$	104	lawrencium
25	$\text{Mn}^{2+}$	26	manganese
43	$\text{Tc}^{7+}$	44	technetium
51	$\text{Sb}^{3+}$	52	antimony
61	$\text{Pm}^{3+}$	62	promethium
69	$\text{Tm}^{3+}$	70	thulium
75	$\text{Re}^{7+}$	76	rhenium
81	$\text{Tl}^+$	82	thallium
83	$\text{Bi}^{3+}$	84	bismuth
87	$\text{Fr}^+$	88	francium
93	$\text{Np}^{5+}$	94	neptunium
95	$\text{Am}^{3+}$	96	americium
97	$\text{Bk}^{3+}$	98	berkelium
99	$\text{Es}^{3+}$	100	einsteinium
101	$\text{Md}^{2+}$	102	mendeleevium
103	$\text{Lr}^{3+}$	104	lawrencium
27	$\text{Co}^{2+}$	28	cobalt
45	$\text{Rh}^{3+}$	46	rhodium
63	$\text{Eu}^{3+}$	64	europium
71	$\text{Lu}^{3+}$	72	lutetium
79	$\text{Au}^{3+}$	80	gold
81	$\text{Tl}^+$	82	thallium
83	$\text{Bi}^{3+}$	84	bismuth
85	$\text{At}^-$	86	astatide
91	$\text{Pa}^{5+}$	92	protactinium
93	$\text{Np}^{5+}$	94	neptunium
95	$\text{Am}^{3+}$	96	americium
97	$\text{Bk}^{3+}$	98	berkelium
99	$\text{Es}^{3+}$	100	einsteinium
101	$\text{Md}^{2+}$	102	mendeleevium
103	$\text{Lr}^{3+}$	104	lawrencium
29	$\text{Cu}^{2+}$	30	copper
47	$\text{Ag}^+$	48	silver
65	$\text{Gd}^{3+}$	66	gadolinium
73	$\text{Ta}^{5+}$	74	tantalum
81	$\text{Tl}^+$	82	thallium
83	$\text{Bi}^{3+}$	84	bismuth
85	$\text{At}^-$	86	astatide
91	$\text{Pa}^{5+}$	92	protactinium
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99	$\text{Es}^{3+}$	100	einsteinium
101	$\text{Md}^{2+}$	102	mendeleevium
103	$\text{Lr}^{3+}$	104	lawrencium
31	$\text{Ga}^{3+}$	32	gallium
49	$\text{In}^{3+}$	50	indium
67	$\text{Ho}^{3+}$	68	holmium
75	$\text{Re}^{7+}$	76	rhenium
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103	$\text{Lr}^{3+}$	104	lawrencium
33	$\text{As}^{3-}$	34	arsenide
51	$\text{Sb}^{3-}$	52	antimonide
69	$\text{Tm}^{3+}$	70	thulium
77	$\text{Ir}^{4+}$	78	iridium
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103	$\text{Lr}^{3+}$	104	lawrencium
35	$\text{Br}^-$	36	bromide
53	$\text{I}^-$	54	iodide
67	$\text{Ho}^{3+}$	68	holmium
75	$\text{Re}^{7+}$	76	rhenium
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101	$\text{Md}^{2+}$	102	mendeleevium
103	$\text{Lr}^{3+}$	104	lawrencium
37	$\text{Rb}^+$	38	rubidium
55	$\text{Cs}^+$	56	cesium
87	$\text{Fr}^+$	88	francium
21	$\text{Sc}^{3+}$	22	scandium
39	$\text{Y}^{3+}$	40	yttrium
57	$\text{La}^{3+}$	58	lanthanum
72	$\text{Hf}^{4+}$	73	hafnium
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