Cheatography

AP Chemistry Periodic Table and Common Ions Cheat Sheet

by jryn17 (jryn17) via cheatography.com/41902/cs/12654/

Group 1	
Hydrogen	H
Lithium	Li
Sodium	Na
Potassium	K
Rubidium	Rb
Cesium	Cs
Francium	Fr

Group 2	
Beryllium	Be
Magnesium	Mg
Calcium	Ca
Strontium	Sr
Barium	Ba
Radium	Ra

Group 13	
Boron	B
Aluminum	Al
Gallium	Ga
Indium	In
Titanium	Ti

Group 14	
Carbon	C
Silicon	Si
Germanium	Ge
Tin	Sn
Lead	Pb

Group 15	
Nitrogen	N
Phosphorous	P
Arsenic	As
Antimony	Sb
Bismuth	Bi

Group 16	
Oxygen	O
Sulfur	S
Selenium	Se
Tellurium	Te
Polonium	Po

Group 17	
Fluorine	F
Chlorine	Cl
Bromine	Br
Iodine	I
Astatine	At

Group 18	
Helium	He
Neon	Ne
Argon	Ar
Krypton	Kr
Xenon	Xe
Radon	Rn

1+	
Ammonium	$NH4^{+}$
Copper(I)	Cu^{+}
Hydrogen/Hydronium	H^{+},$H3O^{+}$
Lithium	Li^{+}
Potassium	K^{+}
Silver	Ag^{+}
Sodium	Na^{+}

2+	
Barium	Ba^{2+}
Cadmium	Cd^{2+}
Calcium	Ca^{2+}
Cobalt	Co^{2+}
Chromium(II)	Cr^{2+}
Copper(II)	Cu^{2+}
Iron(II)	Fe^{2+}
Lead(II)	Pb^{2+}
Magensium	Mg^{2+}
Manganese(II)	Mn^{2+}
Mercury(I)	Hg^{2+}
Mercury(II)	Hg^{2+}
Nickel	Ni^{2+}
Strontium	Sr^{2+}
Tin(II)	Sn^{2+}
Zinc	Zn^{2+}

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3+	
Aluminum	Al^{3+}
Chromium(III)	Cr^{3+}
Iron(III)	Fe^{3+}
Scandium	Sc^{3+}

4+	
Tin(IV)	Sn^{4+}

1-	
Acetate	$C2H3O2^-$
Bromide	Br^-
Hydrogen Carbonate (Bicarbonate)	$HCO3^-$
Chlorate	$ClO3^-$
Chlorite	$ClO2^-$
Chloride	Cl^-
Flouride	F^-
Hydride	H^-
Hydroxide	OH^-
Hypochlorite	ClO^-
Iodide	I^-
Nitrate	$NO3^-$
Nitrite	$NO2^-$
Perchlorate	$ClO4^-$
Permanganate	$MnO4^-$
Dihydrogen Phosphate	$H2PO4^-$
Hydrogen Sulfate (Bisulfate)	$HSO4^-$
Hydrogen Sulfite (Bisulfite)	$HSO3^-$
Hydrogen Sulfide (Bisulfide	HS^-

2-	
Carbonate	$CO3^{2-}$
Chromate	$CrO4^{2-}$
DiChromate	$Cr2O7^{2-}$
Oxalate	$C2O4^{2-}$
Monohydrogen Phosphate	$HPO4^{2-}$
Sulfate	$SO4^{2-}$
Sulfite	$SO3^{2-}$
Sulfide	S^{2-}

3-	
Phosphate	$PO4^{3-}$
Phosphite	$PO3^{3-}$

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