

NCDPI Reference Tables for Chemistry (July 2024)

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Write the correct chemical formulas given the Chemical Names shown below

1. Calcium Acetate
2. Potassium Chlorate Potassium Chloride
3. Francium Carbonate
4. Cesium Nitrate Cesium Nitride
5. Magnesium Hydroxide

Polyatomic Formulas WS

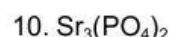
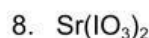
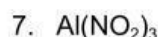
PERIODIC TABLE OF THE ELEMENTS

1 H Hydrogen 1.01 2 3 Li Lithium 6.94 4 Be Beryllium 9.01 11 Na Sodium 22.99 12 Mg Magnesium 24.31 13 Al Aluminum 26.98 14 Si Silicon 28.09 15 P Phosphorus 30.97 16 S Sulfur 32.06 17 Cl Chlorine 35.45 18 Ar Argon 39.95 19 K Potassium 39.10 20 Ca Calcium 40.08 21 Sc Scandium 44.96 22 Ti Titanium 47.87 23 V Vanadium 50.94 24 Cr Chromium 52.00 25 Mn Manganese 54.94 26 Fe Iron 55.85 27 Co Cobalt 58.93 28 Ni Nickel 58.69 29 Cu Copper 63.55 30 Zn Zinc 65.38 31 Ga Gallium 69.72 32 Ge Germanium 72.63 33 As Arsenic 74.92 34 Se Selenium 78.97 35 Br Bromine 79.90 36 Kr Krypton 83.80 37 Rb Rubidium 85.47 38 Sr Strontium 87.62 39 Y Yttrium 88.91 40 Zr Zirconium 91.22 41 Nb Niobium 92.91 42 Mo Molybdenum 95.95 43 Tc Technetium (97) 44 Ru Ruthenium 101.07 45 Rh Rhodium 102.91 46 Pd Palladium 106.42 47 Ag Silver 107.87 48 Cd Cadmium 112.41 49 In Indium 114.82 50 Sn Tin 118.71 51 Sb Antimony 121.76 52 Te Tellurium 127.60 53 I Iodine 126.90 54 Xe Xenon 131.29 55 Cs Cesium 132.91 56 Ba Barium 137.33 57-71 72 Hf Hafnium 178.49 73 Ta Tantalum 180.95 74 W Tungsten 183.84 75 Re Rhenium 186.21 76 Os Osmium 190.23 77 Ir Iridium 192.22 78 Pt Platinum 195.08 79 Au Gold 196.97 80 Hg Mercury 200.59 81 Tl Thallium 204.38 82 Pb Lead 207.2 83 Bi Bismuth 208.98 84 Po Polonium (209) 85 At Astatine (210) 86 Rn Radon (222) 87 Fr Francium (223) 88 Ra Radium (226) 89-103 104 Rf Rutherfordium (261) 105 Db Dubnium (262) 106 Sg Seaborgium (266) 107 Bh Bohrium (264) 108 Hs Hassium (277) 109 Mt Meitnerium (268) 110 Ds Darmstadtium (271) 111 Rg Roentgenium (272) 112 Cn Copernicium (285) 113 Nh Nihonium (286) 114 Fl Flerovium (289) 115 Mc Moscovium (290) 116 Lv Livermorium (293) 117 Ts Tennessine (294) 118 Og Oganesson (294) Atomic Number 1 Element Symbol H Element Name hydrogen Average Atomic Mass 1.01 13 Al Aluminum 26.98 14 Si Silicon 28.09 15 P Phosphorus 30.97 16 S Sulfur 32.06 17 Cl Chlorine 35.45 18 Ar Argon 39.95 19 K Potassium 39.10 20 Ca Calcium 40.08 21 Sc Scandium 44.96 22 Ti Titanium 47.87 23 V Vanadium 50.94 24 Cr Chromium 52.00 25 Mn Manganese 54.94 26 Fe Iron 55.85 27 Co Cobalt 58.93 28 Ni Nickel 58.69 29 Cu Copper 63.55 30 Zn Zinc 65.38 31 Ga Gallium 69.72 32 Ge Germanium 72.63 33 As Arsenic 74.92 34 Se Selenium 78.97 35 Br Bromine 79.90 36 Kr Krypton 83.80 37 Rb Rubidium 85.47 38 Sr Strontium 87.62 39 Y Yttrium 88.91 40 Zr Zirconium 91.22 41 Nb Niobium 92.91 42 Mo Molybdenum 95.95 43 Tc Technetium (97) 44 Ru Ruthenium 101.07 45 Rh Rhodium 102.91 46 Pd Palladium 106.42 47 Ag Silver 107.87 48 Cd Cadmium 112.41 49 In Indium 114.82 50 Sn Tin 118.71 51 Sb Antimony 121.76 52 Te Tellurium 127.60 53 I Iodine 126.90 54 Xe Xenon 131.29 55 Cs Cesium 132.91 56 Ba Barium 137.33 57-71 72 Hf Hafnium 178.49 73 Ta Tantalum 180.95 74 W Tungsten 183.84 75 Re Rhenium 186.21 76 Os Osmium 190.23 77 Ir Iridium 192.22 78 Pt Platinum 195.08 79 Au Gold 196.97 80 Hg Mercury 200.59 81 Tl Thallium 204.38 82 Pb Lead 207.2 83 Bi Bismuth 208.98 84 Po Polonium (209) 85 At Astatine (210) 86 Rn Radon (222) 87 Fr Francium (223) 88 Ra Radium (226) 89-103 104 Rf Rutherfordium (261) 105 Db Dubnium (262) 106 Sg Seaborgium (266) 107 Bh Bohrium (264) 108 Hs Hassium (277) 109 Mt Meitnerium (268) 110 Ds Darmstadtium (271) 111 Rg Roentgenium (272) 112 Cn Copernicium (285) 113 Nh Nihonium (286) 114 Fl Flerovium (289) 115 Mc Moscovium (290) 116 Lv Livermorium (293) 117 Ts Tennessine (294) 118 Og Oganesson (294) 57 La Lanthanum 138.91 58 Ce Cerium 140.12 59 Pr Praseodymium 140.91 60 Nd Neodymium 144.24 61 Pm Promethium (145) 62 Sm Samarium 150.36 63 Eu Europium 151.96 64 Gd Gadolinium 157.25 65 Tb Terbium 158.93 66 Dy Dysprosium 162.50 67 Ho Holmium 164.93 68 Er Erbium 167.26 69 Tm Thulium 168.93 70 Yb Ytterbium 173.05 71 Lu Lutetium 174.97 89 Ac Actinium (227) 90 Th Thorium 232.04 91 Pa Protactinium 231.04 92 U Uranium 238.03 93 Np Neptunium (237) 94 Pu Plutonium (244) 95 Am Americium (243) 96 Cm Curium (247) 97 Bk Berkelium (247) 98 Cf Californium (251) 99 Es Einsteinium (252) 100 Fm Fermium (257) 101 Md Mendelevium (258) 102 No Nobelium (259) 103 Lr Lawrencium (262) ©2024 NCDPI Stock No. 24856																	
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Polyatomic Ions	
NH ₄ ⁺	ammonium
BrO ₃ ⁻	bromate
C ₂ H ₃ O ₂ ⁻	acetate
ClO ₄ ⁻	perchlorate
ClO ₃ ⁻	chlorate
ClO ₂ ⁻	chlorite
ClO ⁻	hypochlorite
CN ⁻	cyanide
C ₂ O ₄ ²⁻	oxalate
CO ₃ ²⁻	carbonate
CrO ₄ ²⁻	chromate
Cr ₂ O ₇ ²⁻	dichromate
HCO ₃ ⁻	hydrogen carbonate
HSO ₄ ⁻	hydrogen sulfate
IO ₃ ⁻	iodate
MnO ₄ ⁻	permanganate
NO ₃ ⁻	nitrate
NO ₂ ⁻	nitrite
OH ⁻	hydroxide
O ₂ ²⁻	peroxide
SCN ⁻	thiocyanate
SO ₄ ²⁻	sulfate
SO ₃ ²⁻	sulfite
PO ₄ ³⁻	phosphate
PO ₃ ³⁻	phosphite

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Write the Formulas for questions 1-5 and write the names of the formulas for 6-10.



Polyatomic Formulas WS