

Ionic Compounds: Names and Formulas

1. Write the formulas for the following compounds:

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| (a) magnesium oxide _____ | (n) calcium chloride _____ |
| (b) sodium fluoride _____ | (o) potassium iodide _____ |
| (c) aluminum nitride _____ | (p) sodium phosphide _____ |
| (d) potassium sulfide _____ | (q) calcium phosphide _____ |
| (e) lithium iodide _____ | (r) lead(II) oxide _____ |
| (f) calcium bromide _____ | (s) lead(IV) fluoride _____ |
| (g) beryllium oxide _____ | (t) tin(IV) bromide _____ |
| (h) calcium nitride _____ | (u) copper(II) sulfide _____ |
| (i) magnesium nitride _____ | (v) iron(II) oxide _____ |
| (j) aluminum sulfide _____ | (w) iron (III) chloride _____ |
| (k) cesium oxide _____ | (x) tin(II) iodide _____ |
| (l) lithium fluoride _____ | (y) copper(I) bromide _____ |
| (m) rubidium oxide _____ | (z) nickel (III) chloride _____ |

2. Write the names for the following compounds:

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|-----------------------------------|---|
| (a) Li_2O _____ | (n) ScN _____ |
| (b) AlCl_3 _____ | (o) K_3P _____ |
| (c) MgS _____ | (p) Na_2S _____ |
| (d) CaO _____ | (q) Mg_3P_2 _____ |
| (e) KBr _____ | (r) CaF_2 _____ |
| (f) BeF_2 _____ | (s) CuI _____ |
| (g) Na_3N _____ | (t) PbCl_4 _____ |
| (h) Al_2O_3 _____ | (u) FeP _____ |
| (i) Fr_3P _____ | (v) NiO _____ |
| (j) Y_2O_3 _____ | (w) SnO_2 _____ |
| (k) LiBr _____ | (x) PbS _____ |
| (l) NaSe _____ | (y) FeBr_3 _____ |
| (m) BaCl_2 _____ | (z) CuCl_2 _____ |