

Blackline Master 5.9

Polyatomic Compounds: Names and Formulas Worksheet

1. Write the formulas for the following compounds.

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| <p>(a) magnesium sulfate <u>MgSO₄</u></p> <p>(b) sodium chlorate <u>NaClO₃</u></p> <p>(c) aluminum nitrate <u>Al(NO₃)₃</u></p> <p>(d) potassium hydroxide <u>KOH</u></p> <p>(e) lithium phosphate <u>Li₃PO₄</u></p> <p>(f) calcium carbonate <u>CaCO₃</u></p> <p>(g) beryllium sulfate <u>BeSO₄</u></p> <p>(h) sodium bicarbonate <u>NaHCO₃</u></p> <p>(i) magnesium hydroxide <u>Mg(OH)₂</u></p> <p>(j) aluminum phosphate <u>AlPO₄</u></p> | <p>(k) copper(I) chlorate <u>CuClO₃</u></p> <p>(l) calcium sulfate <u>CaSO₄</u></p> <p>(m) nitric acid <u>HNO₃</u></p> <p>(n) carbonic acid <u>H₂CO₃</u></p> <p>(o) sulfuric acid <u>H₂SO₄</u></p> <p>(p) lead(II) nitrate <u>Pb(NO₃)₂</u></p> <p>(q) phosphoric acid <u>H₃PO₄</u></p> <p>(r) copper(II) hydroxide <u>Cu(OH)₂</u></p> <p>(s) iron(III) phosphate <u>Fe₃(PO₄)₂</u></p> <p>(t) calcium chlorate <u>Ca(ClO₃)₂</u></p> |
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2. Write the names for the following compounds.

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| <p>(a) Li₂CO₃ <u>lithium carbonate</u></p> <p>(b) AlHCO₃ <u>aluminum bicarbonate</u></p> <p>(c) Mg₃(PO₄)₂ <u>magnesium phosphate</u></p> <p>(d) Ca(NO₃)₂ <u>calcium nitrate</u></p> <p>(e) K₂SO₄ <u>potassium sulfate</u></p> <p>(f) HNO_{3(aq)} <u>nitric acid</u></p> <p>(g) NaNO₃ <u>sodium nitrate</u></p> <p>(h) Al(OH)₃ <u>aluminum hydroxide</u></p> <p>(i) CuSO₄ <u>copper (II) sulfate</u></p> <p>(j) Fe(ClO₃)₃ <u>iron (III) chlorate</u></p> | <p>(k) Pb₃(PO₄)₂ <u>lead(II) phosphate</u></p> <p>(l) Sn(ClO₃)₂ <u>tin (II) chlorate</u></p> <p>(m) NaOH <u>sodium hydroxide</u></p> <p>(n) H₃PO_{4(aq)} <u>phosphoric acid</u></p> <p>(o) H₂CO_{3(aq)} <u>carbonic acid</u></p> <p>(p) CuNO₃ <u>copper (I) nitrate</u></p> <p>(q) H₂SO_{4(aq)} <u>sulfuric acid</u></p> <p>(r) FeSO₄ <u>iron (II) sulfate</u></p> <p>(s) Ca(HCO₃)₂ <u>calcium bicarbonate</u></p> <p>(t) K₃PO₄ <u>potassium phosphate</u></p> |
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