Sept 24, 2019

answers Polyatomic WS
review ALL Ionic Compounds

Quiz Tomorrow!
Test Tuesday!!

Warm-Up

Name the following ionic compounds:

LiOH — lithium hydroxide

Ba(NO_3)$_2$ — barium nitrate

$CaSO_4$ — calcium sulphate

Give the formula for following ionic compounds:

beryllium hydroxide — Be^{2+} OH^{1-} $Be(OH)_2$

magnesium chlorate — Mg^{2+} ClO_3^{1-} $Mg(ClO_3)_2$

aluminum phosphate — Al^{3+} PO_4^{3-} $AlPO_4$

Polyatomic Compounds: Names and Formulas Worksheet

(a) magnesium sulfate $MgSO_4$

(b) sodium chlorate $NaClO_3$

(c) aluminum nitrate $Al(NO_3)_3$

(d) potassium hydroxide KOH

(e) lithium phosphate Li_3PO_4

(f) calcium carbonate $CaCO_3$

(g) beryllium sulfate $BeSO_4$

(h) sodium bicarbonate $NaHCO_3$

(i) magnesium hydroxide $Mg(OH)_2$

(j) aluminum phosphate $AlPO_4$

$Mg^{2+}SO_4^{2-}$

$Al^{3+}NO_3^{1-}$

(k) copper(I) chlorate $CuClO_3$

(l) calcium sulfate $CaSO_4$

(m) nitric acid HNO_3

(n) carbonic acid H_2CO_3

(o) sulfuric acid H_2SO_4

(p) lead(II) nitrate $Pb(NO_3)_2$

(q) phosphoric acid H_3PO_4

(r) copper(II) hydroxide $Cu(OH)_2$

(s) iron(II) phosphate $Fe_3(PO_4)_2$

(t) calcium chlorate $Ca(ClO_3)_2$

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2. Write the names for the following compounds.

(a) Li_2CO_3 lithium carbonate

(b) $AlHCO_3$ aluminum bicarbonate

(c) $Mg_3(PO4)_2$ magnesium phosphate

(d) $Ca(NO_3)_2$ calcium nitrate

(e) K_2SO_4 potassium sulfate

(f) $HNO_{3(aq)}$ nitric acid

(g) $NaNO_3$ sodium nitrate

(h) $Al(OH)_3$ aluminum hydroxide

(i) $CuSO_4$ copper(II) sulfate

(j) $Fe(ClO)_3$ iron(III) hypochlorite

(l) $Sn(ClO_3)_2$ tin(II)chlorate

(m) NaOH sodium hydroxide

(n) $H_3PO_{4(aq)}$ phosphoric acid

(o) $H_2CO_{3(aq)}$ carbonic acid

(p) $CuNO_3$ copper(I) nitrate

(q) $H_2SO_{4(aq)}$ sulfuric acid

r) $FeSO_4$ iron (II) sulfate

s) $Ca(HCO_3)_2$ calcium bicarbonate

t) K_3PO_4 potassium phosphate

pg 198 Table 3 acids

Name:

$LiCl$ lithium chloride

$Fe^{3+}O^{2}$ iron (II) oxide

$CaCO_3$ calcium carbonate

Formula:

magnesium oxide $Mg^{2+}O^{2-}$ MgO

nickel (II) chloride $Ni^{2+}Cl^{-}$ $NiCl_2$

calcium phosphate $Ca^{2+}PO_4^{3-}$ $Ca_3(PO_4)_2$

bicarbonate = hydrogen carbonate

HCO_3

Review WS ALL Ionic Compounds

Reminder Quiz tomorrow!!