

Fill in the compound name or chemical formula. Show all of your work (criss-cross, etc.). Each question is worth 2 marks.

Binary Ionic Compounds

$MgCl_2$
Beryllium Nitride

magnesium chloride

K_3P
Lithium Oxide

Be_3N_2
potassium phosphide

Li_2O

Binary Ionic Compounds with Metals with more than one charge

Copper (II) Chloride

$CuCl_2$

Fe_2O_3

iron (III) oxide

Cobalt (III) Nitride

CoN

PtO_2

platinum(IV) oxide

Ionic Compounds with Polyatomic Ions

Ammonium Chloride

NH_4Cl

$Mg_3(PO_4)_2$

magnesium phosphate

Sodium Carbonate

Na_2CO_3

Ionic Compounds with Polyatomic Ions and Metals with more than one charge

tin (IV) chlorate

$Sn(ClO_3)_4$

$Au(OH)_3$

gold (III) hydroxide

manganese (II) sulphate

$MnSO_4$