

remember to balance charges

Writing Ionic Formulas don't show charges in formula

Name KEY Period _____

Part 1. Monoatomic Ions

Elements forming bond	Positive ion	Negative ion	Formula
sodium and oxygen	Na ⁺ Na ⁺	O ⁻²	Na ₂ O
chlorine and magnesium	Mg ⁺²	Cl ⁻ Cl ⁻	MgCl ₂
potassium and iodine	K ⁺	I ⁻	KI
calcium and selenium	Ca ⁺²	Se ⁻²	CaSe
aluminum and bromine	Al ⁺³	Br ⁻ Br ⁻ Br ⁻	Al₃Br AlBr ₃
phosphorous and lithium	Li ⁺ Li ⁺ Li ⁺	P ⁻³	Li ₃ P
aluminum and sulfur	Al ⁺³ Al ⁺³	S ⁻² S ⁻² S ⁻²	Al ₂ S ₃
nitrogen and aluminum	Al ⁺³	N ⁻³	AlN
calcium and fluorine	Ca ⁺²	F ⁻ F ⁻	CaF ₂

Part 2. Polyatomic Ions *use () if multiple polyatomic

Elements/ions forming bond	Positive ion	Negative ion	Formula
Magnesium and hydroxide	Mg ⁺²	OH ⁻ OH ⁻	Mg(OH) ₂
Nitrate and aluminum	Al ⁺³	NO ₃ ⁻ NO ₃ ⁻ NO ₃ ⁻	Al(NO ₃) ₃
lithium and sulfate	Li ⁺ Li ⁺	SO ₄ ⁻²	Li ₂ SO ₄
phosphite and calcium	Ca ⁺² Ca ⁺² Ca ⁺²	PO ₃ ⁻³ PO ₃ ⁻³	Ca ₃ (PO ₃) ₂
potassium acetate	K ⁺	CH ₃ COO ⁻	KCH ₃ COO
ammonium phosphate	NH ₄ ⁺ NH ₄ ⁺ NH ₄ ⁺	PO ₄ ⁻³	(NH ₄) ₃ PO ₄