

Writing Formulas for Binary Ionic Compounds

Name: KEY

Elements forming bond	Positive ion (cation)	Negative ion (anion)	Formula
1. sodium and oxygen balance @ ± 2	Na^+	O^{2-}	Na_2O
2. chlorine and tin (II) balance @ ± 2	Sn^{2+}	Cl^-	SnCl_2
3. lead (IV) and iodine balance @ ± 4	Pb^{4+}	I^-	PbI_4
4. calcium and selenium balance @ ± 2	Ca^{2+}	Se^{2-}	CaSe
5. bromine and aluminum balance @ ± 3	Al^{3+}	Br^-	AlBr_3
6. phosphorus and lithium balance @ ± 3	Li^+	P^{3-}	Li_3P
7. zinc and sulfur balance @ ± 2	Zn^{2+}	S^{2-}	ZnS
8. nitrogen and aluminum balance @ ± 3	Al^{3+}	N^{3-}	AlN
9. copper (I) and fluorine balance @ ± 1	Cu^+	F^-	CuF
10. sodium and bromine balance @ ± 1	Na^+	Br^-	NaBr
11. chlorine and calcium balance @ ± 2	Ca^{2+}	Cl^-	CaCl_2
12. magnesium and sulfur balance @ ± 2	Mg^{2+}	S^{2-}	MgS
13. nitrogen and cesium balance @ ± 3	Cs^+	N^{3-}	Cs_3N
14. barium and fluorine balance @ ± 2	Ba^{2+}	F^-	BaF_2
15. rubidium and nitrogen balance @ ± 3	Rb^+	N^{3-}	Rb_3N
16. oxygen and iron (II) balance @ ± 2	Fe^{2+}	O^{2-}	FeO