

Fill in the blanks spots of the table below.

Ternary compounds have three kinds of elements. They are nearly always composed of a monatomic (“one-atom”) metallic ion and a polyatomic (“more than one atom”) anion. The only positively charged polyatomic ion is ammonium, NH_4^+ . To write the formula of a ternary compound is no different than to write the formula of a binary compound with one exception. If a subscript is necessary for the polyatomic ion in order to balance the charges, we must place the polyatomic ion in parentheses.

In each box, write the formula of the ionic compound consisting of the positive ion to the left of the box and the negative ion above the box.

	OH^-	SO_4^{2-}	NO_3^-	CO_3^{2-}	PO_4^{3-}
K^+					
Mn^{2+}					
NH_4^+					
Al^{3+}					
Ca^{2+}					
Fe^{3+}					