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spectate means watch the other ions react in an aqueous solution

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web these ions are called spectator ions because they do not participate in the actual reaction canceling the spectator ions
gives the net ionic equation which shows only those species that participate in the chemical reaction 2ag aq cr 2o 7 2 aq

rightarrow $\text{aq } 2\text{Cr}^{2+} + 7\text{S}^{2-}$ label 4 2 3

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web chemical equation in which all dissolved ionic reactants and products including spectator ions are explicitly represented by formulas for their dissociated ions molecular equation chemical equation in which all reactants and products are

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web jan 29 2020 the ionic form of this reaction is $2\text{Na}^+\text{aq} + 2\text{Cl}^-\text{aq} + \text{Cu}^{2+}\text{aq} + \text{SO}_4^{2-}\text{aq} \rightarrow 2\text{Na}^+\text{aq} + \text{SO}_4^{2-}\text{aq} + \text{CuCl}_2\text{s}$ the sodium ions and sulfate ion are the spectator ions in this reaction they appear unchanged in both the product and reactant side of the equation

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web the six NO_3^- ions and the six Na^+ ions that appear on both sides of the equation are spectator ions that can be canceled to give the net ionic equation $3\text{Ba}^{2+}\text{aq} + 2\text{PO}_4^{3-}\text{aq} \rightarrow \text{Ba}_3(\text{PO}_4)_2\text{s}$

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web these spectator ions ions whose presence is required to maintain charge neutrality are neither chemically nor physically changed by the process and so they may be eliminated from the equation to yield a more succinct representation called a

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web video answer you know spectator ions are the ions present on the both sides of the equation indicate cancels out in the total ionic equations so you know in a case chemical reactions are described with chemical equations which symbolically present the starting materials end products

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web net ionic equations an equation for a reaction in solution showing only those particles that are directly involved in the chemical change spectator ions an ion that is not directly involved in a chemical reaction an ion that does not change oxidation number or composition during a reaction products

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web the equation below is the final net ionic equation after elimination of the spectator ions which yields water $\text{H}^+\text{aq} + \text{OH}^-\text{aq} \rightarrow \text{H}_2\text{O}$

2 of the spectator ions in KOH(aq) and $\text{HNO}_3\text{(aq)}$ are $\text{K}^+\text{(aq)}$ and $\text{NO}_3^-\text{(aq)}$ how to identify and list the

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web the $\text{Ag}^+\text{(aq)}$ and $\text{Cl}^-\text{(aq)}$ ions become AgCl(s) but the $\text{Na}^+\text{(aq)}$ ions and the $\text{NO}_3^-\text{(aq)}$ ions stay as $\text{Na}^+\text{(aq)}$ ions and $\text{NO}_3^-\text{(aq)}$ ions these two ions are examples of spectator ions ions that do nothing in the overall course of a chemical reaction

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$2\text{Cl}^- \text{aq} + \text{Cu}^{2+} \text{aq} + 2\text{CuCl}_2 \text{s} \rightarrow 2\text{Cl}^- \text{aq} + \text{Cu}^{2+} \text{aq} + 2\text{CuCl}_2 \text{s}$ these spectator ions are not actively involved in the reaction the existence of spectator ions affects the Debye length