Solution

1.) Write an equation for the dissociation of each of the following in water
a.) BaCl ₂ (s) \rightarrow
b.) AgNO₃ (s) →
c.) $Mg(OH)_2(s) \rightarrow \underline{\hspace{1cm}}$
d.) Na ₂ SO ₄ (s) \rightarrow
e.) NH₄NO₃ (s) →
f.) $(NH_4)_3PO_4$ (s) \rightarrow
2.) Which of the above solutions are electrical conductors
3.) If 1.00 L of a 1.00 mol/L solution of AgNO ₃ was mixed, then a.) [Ag ⁺] = b.) [NO ₃ ⁻] =
4.) If 500.0 mL of a 1.00 mol/L solution of BaCl ₂ was mixed, then a.) How many moles of Ba ²⁺ are present? b.) [Ba ²⁺] = c.) How many moles of Cl ⁻ are present? d.) [Cl ⁻] =
5.) If 500.0 mL of 1.00 mol/L NaCl was added to the solution in question 4, then a.) [Ba²+] = b.) [Cl-] =
More solutions
 For each of the following combinations of equal volumes of 0.20 mol/L aqueous solutions, Identify the possible products by formula State which (if any) product has a low solubility (will precipitate) If there is a precipitate, write the formula equation and net ionic equation for the reaction
a.) MgS + Sr(OH) ₂ b.) CuBr ₂ + Pb(NO ₃) ₂ c.) FeBr ₃ + Srl ₂ d.) Ba(NO ₃) ₂ + Li ₂ SO ₄ e.) K ₃ PO ₄ + CuCl ₂

f.) zinc (II) sulphate and lithium carbonate

- g.) iron (III) nitrate and magnesium sulphide
- h.) beryllium sulphate and ammonium carbonate
- i.) cobalt (II) sulphate and lithium carbonate
- j.) magnesium sulphate and strontium hydroxide