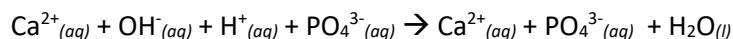


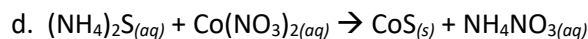
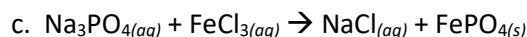
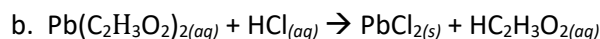
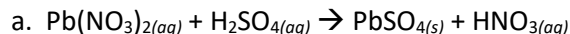
Chemistry – Chapter 11 Book problems #3: Net ionic equations, precipitate predictions

1. Write the balanced net ionic equation for this reaction:

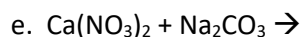
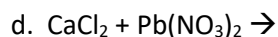
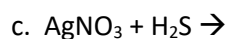
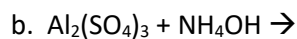
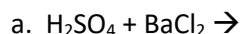


2. Write the complete ionic equation and net ionic equation for the reaction of aqueous calcium hydroxide with phosphoric acid. The products are calcium phosphate and water.

3. Write a balanced net ionic equation for each reaction.



4. List the precipitate formed when solutions of these ionic compounds are mixed.



5. Hard water contains calcium and magnesium ions. One way to soften water is to add sodium phosphate. Write complete and net ionic equations for the reaction of these two alkaline earth ions with aqueous sodium phosphate.

