

## Word Equations

*Write the word equations below as chemical equations and balance. Be sure to include states of matter.*

- 1) Zinc and aqueous lead (II) nitrate react to form aqueous zinc nitrate and lead.  

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- 2) Aluminum bromide solution and chlorine gas react to form aqueous aluminum chloride and bromine gas.  

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- 3) Solutions of sodium phosphate and calcium chloride react. Solid calcium phosphate and aqueous sodium chloride are produced.  

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- 4) Potassium metal and chlorine gas combine to form an ionic solid potassium chloride.  

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- 5) Aluminum and hydrochloric acid solution react to form aluminum chloride solution and hydrogen gas.  

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- 6) Aqueous calcium hydroxide and phosphoric acid react to form aqueous calcium phosphate and water.  

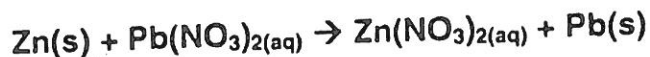
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- 7) Copper metal and aqueous sulfuric acid react to form aqueous copper (II) sulfate, water, and sulfur dioxide gas.  

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- 8) Hydrogen gas and nitrogen monoxide gas react to form water vapor and nitrogen gas.  

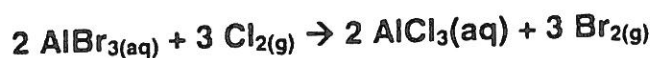
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## Word Equations – Answer Key

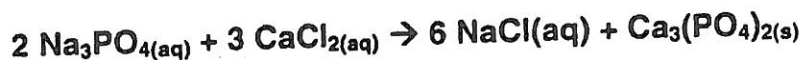
- 1) Zinc and lead (II) nitrate react to form zinc nitrate and lead.



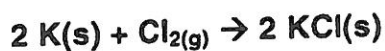
- 2) Aluminum bromide and chlorine gas react to form aluminum chloride and bromine gas.



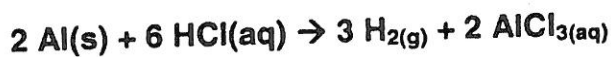
- 3) Sodium phosphate and calcium chloride react to form calcium phosphate and sodium chloride.



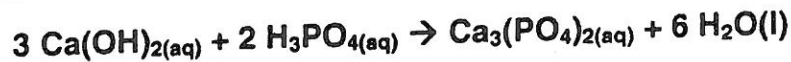
- 4) Potassium metal and chlorine gas combine to form potassium chloride.



- 5) Aluminum and hydrochloric acid react to form aluminum chloride and hydrogen gas.



- 6) Calcium hydroxide and phosphoric acid react to form calcium phosphate and water.



- 7) Copper and sulfuric acid react to form copper (II) sulfate and water and sulfur dioxide.



- 8) Hydrogen gas and nitrogen monoxide react to form water and nitrogen gas.

