

Answer Key

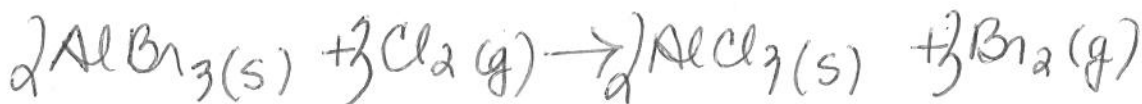
Translating Word Equations into BCE

Write the word equations below as chemical equations and balance:

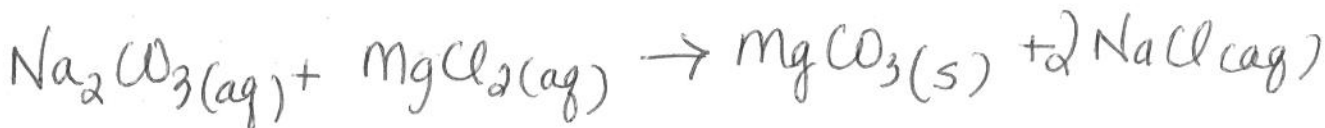
- 1) zinc and lead (II) nitrate solution react to form zinc nitrate solution and lead



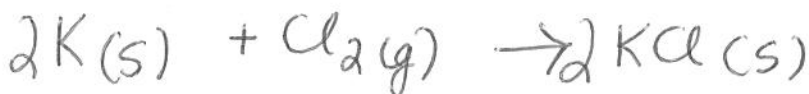
- 2) aluminum bromide and chlorine gas react to form aluminum chloride and bromine gas



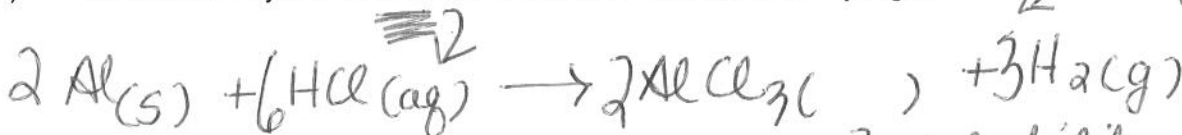
- 3) sodium carbonate solution and magnesium chloride solution react to form a precipitate of magnesium carbonate and a solution of sodium chloride



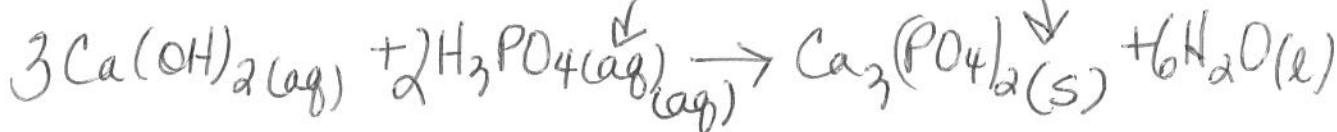
- 4) potassium metal and chlorine gas combine to form potassium chloride



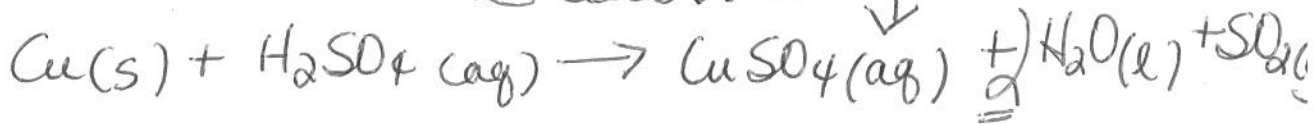
- 5) aluminum and hydrochloric acid react to form aluminum chloride and hydrogen



- 6) calcium hydroxide solution (limewater) and phosphoric acid react to form a precipitate of calcium phosphate and water



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



- 8) hydrogen gas and nitrogen monoxide react to form water and nitrogen gas



78% of the air you breathe

ionic
compd
are
(s)

triangle = always 2+

ionic compd = (s) at RT

or fraction

? solubility chart

lab. ∴