

Name : _____

Writing Balanced Chemical Equations

Write balanced chemical equations for the following reactions:

- (a) aluminum bromide + chlorine \rightarrow aluminum chloride + bromine
- (b) calcium sulfite \rightarrow calcium oxide + sulfur dioxide
- (c) phosphoric acid + calcium hydroxide \rightarrow calcium phosphate + water
- (d) silver nitrate + ammonium carbonate \rightarrow silver carbonate + ammonium nitrate
- (e) lithium hydrogen carbonate \rightarrow lithium carbonate + water + carbon dioxide
- (f) magnesium + silver acetate \rightarrow magnesium acetate + silver
- (g) aluminum bromide + potassium sulfate \rightarrow potassium bromide + aluminum sulfate
- (h) sodium chloride + fluorine \rightarrow sodium fluoride + chlorine
- (i) copper + sulfuric acid \rightarrow copper sulfate + water + oxygen
- (j) zinc + iron (III) chloride \rightarrow zinc chloride + iron

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Answers

- (a) aluminum bromide + chlorine → aluminum chloride + bromine



- (b) calcium sulfite → calcium oxide + sulfur dioxide



- (c) phosphoric acid + calcium hydroxide → calcium phosphate + water



- (d) silver nitrate + ammonium carbonate → silver carbonate + ammonium nitrate



- (e) lithium hydrogen carbonate → lithium carbonate + water + carbon dioxide



- (f) magnesium + silver acetate → magnesium acetate + silver



- (g) aluminum bromide + potassium sulfate → potassium bromide + aluminum sulfate



- (h) sodium chloride + fluorine → sodium fluoride + chlorine



- (i) copper + sulfuric acid → copper sulfate + water + oxygen



- (j) zinc + iron (III) chloride → zinc chloride + iron

