South Pasadena • AP Chemistry

Name _____
Period ___ Date ___/___/___

# Predicting Reactions

## DOUBLE REPLACEMENT PRACTICE

a) dilute nitric acid is added to crystals of pure calcium oxide.

b) hydrogen sulfide is bubbled through a solution of silver nitrate.

c) a saturated solution of calcium hydroxide is added to a solution of magnesium chloride.

d) equal volumes of dilute equimolar solutions of sodium carbonate and hydrochloric acid are mixed.

e) dilute acetic acid solution is added to solid magnesium carbonate.

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# Predicting Reactions

## MORE DOUBLE REPLACEMENT PRACTICE

a) dilute sulfuric acid is added to a solution of barium acetate.

b) hydrogen sulfide gas is added to a solution of cadmium nitrate.

c) solid sodium cyanide is added to water.

d) a solution of sulfuric acid is added to a solution of barium hydroxide until the same number of moles of each compound has been added.

e) ammonium chloride crystals are added to a solution of sodium hydroxide.

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