

## 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.



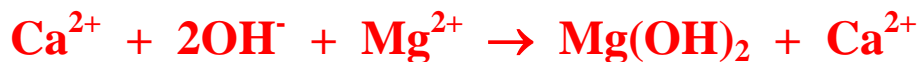
- c) a saturated solution of calcium hydroxide is added to a solution of magnesium chloride.



- 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.



## 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.

