

Name _____ Per. _____ Date _____

Predicting Reactions (Adapted from Paul Groves, SPHS)

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.

--	--

--	--

--	--

--	--

--	--