

Name _____

Chem V20 Reactions Practice 3

1. Convert the following from words to chemical formulas. Then, balance the equation.

a. magnesium + zinc nitrate \rightarrow magnesium nitrate + zinc

b. phosphorus + iodine \rightarrow phosphorus triiodide

c. copper (I) sulfide + oxygen \rightarrow copper + sulfur dioxide

d. hydrochloric acid + calcium hydroxide \rightarrow calcium chloride + water

e. iron (III) hydroxide + hydrosulfuric acid \rightarrow iron (III) sulfide + water

2. Indicate if the following compounds are soluble in water or insoluble in water.

a. NaBr _____

e. BaSO₄ _____

b. Fe(OH)₃ _____

f. AgNO₃ _____

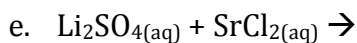
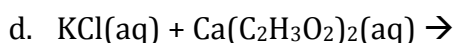
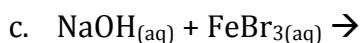
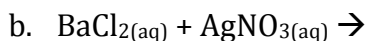
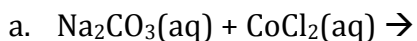
c. CaS _____

g. Pb(C₂H₃O₂)₂ _____

d. (NH₄)₂S _____

h. CuCO₃ _____

3. Complete these double displacement reactions by determining the formulas of the products, balance the overall reactions and indicating the solid that forms. If there is no reaction, write NO REACTION



4. Complete these double displacement reactions by determining the formulas of the reactants and products, balance the overall reactions and indicating the solid that forms. If there is no reaction, write NO REACTION

