

Name:

Write the formulas in the chemical reaction and balance.

- 1) Liquid water breaks down into hydrogen and oxygen gas.

- 2) Sodium bromide and chlorine gas react to form sodium chloride and bromine gas.

- 3) Sodium phosphate and calcium chloride react to form calcium phosphate and sodium chloride.

- 4) Sodium metal and oxygen gas combine to form sodium oxide.

- 5) Magnesium and hydrochloric acid react to form magnesium chloride and hydrogen gas.

- 6) Calcium hydroxide and phosphoric acid react to form calcium phosphate and water.

- 7) Ethane (C_2H_6) burns in oxygen gas to produce carbon dioxide and water.

- 8) Zinc and lead (II) nitrate react to form zinc nitrate and lead.

- 9) Solid dinitrogen pentoxide is added to water to produce nitric acid.

- 10) Solid ammonium carbonate is heated to produce ammonia, water, and carbon dioxide gas.

- Balance the reaction with the lowest reduced coefficients in the spaces provided.
- Indicate the type of reaction – Combination – C, Decomposition – D, Single Replacement – SR, Double Replacement – DR, Combustion – Combust.

Type of Reaction

