

Name: _____

Date: _____

Period: _____

Word Equation and Phases

Phase Abbreviations:

Solid: _____

Liquid: _____

Gas: _____

Aqueous: _____

Dissolved: _____

Precipitate: _____

Identify the type of reaction describes below. Next write the skeleton equations for the following chemical reactions with phase abbreviations. Lastly balance the reaction.

1) When dissolved barium chloride reacts with dissolved potassium sulfate, barium sulfate precipitate and aqueous potassium chloride are made.

Type: _____

Skeleton Equation:

Balanced Equation:

2) When dissolved calcium chloride and dissolved potassium phosphate they react to form aqueous potassium chloride and calcium phosphate powder.

Type: _____

Skeleton Equation:

Balanced Equation:

3) When sucrose ($C_{12}H_{22}O_{11}$) burns in oxygen producing carbon dioxide, water and heat.

Type: _____

Skeleton Equation:

Balanced Equation:

4) When dissolved calcium hydroxide reacts with sulfuric acid (H_2SO_4) to produce a precipitate of calcium sulfate, and water.

Type: _____

Skeleton Equation:

Balanced Equation:

5) When sodium metal reacts with iron (III) chloride, iron metal and sodium chloride are formed.

Type: _____

Skeleton Equation:

Balanced Equation: