

For each reaction, write the proper word equation and chemical equation. Include states in your chemical equations.

1. When coal burns, carbon reacts with oxygen producing carbon dioxide gas.

Word Equation:

Chemical Equation:

2. A solution of sodium hydroxide and hydrogen gas are both produced when sodium reacts with water.

Word Equation:

Chemical Equation:

3. Solutions of barium chloride and sodium sulfate react to produce a solution of sodium chloride and barium sulfate, which is a precipitate.

Word Equation:

Chemical Equation:

4. When heated, solid mercury (II) oxide decomposes to mercury and oxygen gas.

Word Equation:

Chemical Equation: